FOR OFFICIAL USE.

M.O. No. 238g.

AIR MINISTRY

METEOROLOGICAL OFFICE

BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1920

PART V

RÉSEAU MONDIAL, 1920

MONTHLY AND ANNUAL SUMMARIES OF PRESSURE, TEMPERATURE, AND PRECIPITATION AT LAND STATIONS,

GENERALLY TWO FOR EACH TEN-DEGREE SQUARE OF LATITUDE AND LONGITUDE

Published by the Authority of the Meteorological Committee.

LONDON :
PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE
To be purchased directly from H.M. STATIONERY OFFICE at the following addresses :
Adastral House, Kingsway, London, W.C. 2 ; 120, George Street, Edinburgh ;
York Street, Manchester ; 1, St. Andrew's Crescent, Cardiff ;
15, Donegall Square West, Belfast ;
or through any Bookseller.

1927.

Price £1 4s. 0d. Net.

40-8-0-20.

RÉSEAU MONDIAL, 1920.

PREFACE.

THE Réseau Mondial is published under the auspices of the International Meteorological Committee, which has appointed a Commission, the International Commission for the Réseau Mondial, to foster the enterprise. The publication of the data commenced in 1917 with the annual volume for 1911, and subsequently the volumes for 1912, 1913, 1910, and 1914 to 1919 were issued, in that order; the present volume therefore forms the eleventh of the series. An account of the early history of the enterprise is given in the preface to the volume for 1914. Since the appearance of that volume, meetings of the Commission have taken place in connexion with the meetings of the International Meteorological Committee held in London in September, 1921, and in Zürich in September, 1926. The membership of the Commission at the close of the latter meeting was as follows: Dr. G. C. Simpson, Great Britain (President); Dr. W. van Bemmelen, Holland; Professor F. Eredia, Italy; Professor E. van Everdingen, Holland; M. Sampaio Ferraz, Brazil; Professor von Ficker, Germany; Professor E. Fontseré, Spain; Dr. S. Fujiwhara, Japan; M. Gain, France; Dr. L. Gorczynski, Poland; Professor Dr. B. Helland Hansen, Norway; Professor Dr. H. Hergesell, Germany; Dr. Th. Hesselberg, Norway; Mr. H. A. Hunt, Australia; Professor Dr. M. Knudsen, Denmark; Dr. O. Krogness, Norway; Mr. R. G. K. Lempfert, Great Britain; Professor C. F. Marvin, United States of America; Professor G. Melander, Finland; Professor T. Okada, Japan; Professor A. de Quervain, Switzerland; Captain Rouch, France; Sir Napier Shaw, Great Britain; Mr. C. Stewart, South Africa; Sir Frederic Stupart, Canada; Sir Gilbert Walker, Great Britain; Dr. A. Wallén, Sweden; Captain P. Wehrlé, France; Professor Vladimir Wiese, Russia.

In 1921 the Commission approved the general form in which the results have been published, and adopted a resolution, subsequently endorsed by the Committee, requesting that the publication of similar data for ensuing years might be continued. It should be mentioned that all the information refers to land stations; it has not yet been practicable to give effect to the wishes of the Commission for the inclusion of data from the sea.

A list of the additions or changes made in the network of stations since the issue of the preceding volume is given below. These changes have been made after consultation with the Directors of the National Meteorological Services concerned.

Additions :—

Zone 1, 80° to 70° N.	..	140, Björnöen.
Zone 2, 70° to 60° N.	..	261, Viliouisk.
Zone 10, 10° to 20° S.	..	1039, Mossamedes.

The following substitutions have also been made :—

Substitutions :—

Zone 4, 50° to 40° N.	..	435, Madrid, Observatorio Central Meteor. (H_b. 667 m.) for Observatorio de Madrid (H_b. 655 m.).

(23) Wt. 15843—13406/1042. 375. 5/27. T.S. 66.

The stations shown below have been closed and have consequently been deleted :—

Deletions :—

Zone 1, 80° to 70° N. ..	157, Maudhavn.
Zone 2, 70° to 60° N. ..	202, Gambel.
	271, Markovo-sur-Anadyr.
	272, Novo-Mariinskii Post.
Zone 3, 60° to 50° N. ..	363, Paikanskii Sklad.
	366, Okhotsk.
Zone 5, 40° to 30° N. ..	546, Basra.
Zone 6, 30° to 20° N. ..	649, Robat.
Zone 8, 10° N. to 0° ..	845, Harar.

Data for the following stations are missing :—

Zone 2, 70° to 60° N. ..	244, Petrozavodsk.
	250, Obdorsk.
Zone 3, 60° to 50° N. ..	301, Atka.
	345, Saratov.
	351, Akmolinsk.
	352, Omsk.
	358, Kirensk.
	360, Nertchinskii Zavod.
Zone 4, 50° to 40° N. ..	446, Astrakhan.
	447, Fort Alexandrovsk.
	448, Krasnovodsk.
Zone 6, 30° to 20° N. ..	637, Insalah.
Zone 7, 20° to 10° N. ..	735, Ségou.
	736, Timbuktu.
Zone 8, 10° N. to 0° ..	833, Konakri.
	838*a*, Libreville.
Zone 10, 10° to 20° S. ..	1007, Makatea.
	1046, Sainte-Marie.
Zone 11, 20° to 30° S. ..	1169, Ouitchambo.

The total number of stations utilised was 437 as against 444 in 1919.

INTRODUCTION TO THE TABLES OF THE RÉSEAU MONDIAL FOR THE YEAR 1920.

Subdivision of the Globe and numbering of Stations.—In order to facilitate the grouping of the information, the surface of the globe is divided into zones each covering ten degrees of latitude. These zones are numbered consecutively from north to south, the number 1 being assigned to the zone extending from latitude 80° N. to latitude 70° N., the northernmost one for which information is available. The corresponding zone in the southern hemisphere, that extending from latitude 70° S. to latitude 80° S., accordingly becomes zone No. 16.

An identification number is assigned to each station. The first one or two digits in this number specify the zone to which the station belongs, and the last two digits indicate its position in longitude. For the latter purpose the zones are subdivided into 36 " squares," each extending over ten degrees of longitude, and two station numbers are assigned to each square. The enumeration of the stations starts from longitude 180° west of the meridian of Greenwich and proceeds eastward.

A few examples will make the system clear. Station numbers 101 and 102 refer to the stations in zone 1 (i.e., between latitude 80° N. and 70° N.) between longitude 180° W. and 170° W. ; station numbers 335 and 336 to the stations in zone 3 (60° N. to 50° N.) between longitude 10° W. and 0° ; station numbers 1147 and 1148 to the stations in zone 11 (latitude 20° S. to 30° S.) between longitude 50° E. and 60° E., i.e., to the Indian Ocean. In cases where it has been found desirable to give data for more than two stations in one " square " the additional stations are distingushed by adding the letter " *a* " to the numbers appropriate to the square. For zone 6 between longitude 100° W. and 90° W. it was considered desirable to give data for the two Indian stations Cherrapunji and Gauhati, representing conditions at high and low levels, the mountain station Cherrapunji being indicated by the addition of the letter " *m* " to the number appropriate to Gauhati.

In the monthly tables the data are arranged by zones, and within each zone, in the order of the identification numbers of the stations.

Units.—Absolute units related to the metric system are employed throughout. The scale on which temperatures are recorded in the Réseau Mondial is such that the freezing point of water under atmospheric pressure is 273*a* precisely. Other temperatures differ by 273·0 from readings on the Centigrade scale. Conversion tables showing the relation of these units to the units more commonly in use, will be found on pp. xvi to xviii of the Réseau Mondial (Tables) for 1914.

Authorities.—The data have been transcribed in most cases from the publications of the various meteorological institutes received in the Library of the Meteorological Office. Particulars of the sources from which they have been taken will be found in the *Table showing the Authorities for the Meteorology of the Globe,* printed at the end of the volume. In many cases the volumes for 1920 have not yet been issued and the data have therefore been taken from advance manuscript copies supplied by the courtesy of the Directors concerned, whose valued co-operation is hereby acknowledged. The data for some stations in the British Colonies have been transcribed from manuscript returns received in the Meteorological Office, and have not yet been published elsewhere. The majority of the stations for which information is given are under the control of government meteorological services ; it is therefore assumed that the recognised conventions regarding the instruments and their exposure have been followed. In the case of other stations information on these points is sometimes lacking, but no observations have been included that are known to be faulty in this respect. The positions of stations, their heights above sea-level and the spelling of names, have been taken from the official meteorological publications, if given, but in some cases it has been necessary to complete this information from other sources.

In the table for 1918 the symbol $\mathfrak{T}$ was introduced to signify the true, or 24-hour, mean temperature. The letters *a, b, c,* etc., have replaced the symbols used in the volume for 1917 as references to the notes at the end of the Table of Authorities.

Height above Sea Level.—Particulars of the datum used in the European countries when specifying heights above sea level will be found in the Introduction to the volume of Tables for 1914.

Normals.—Wherever possible the departures from normal of the monthly values of mean pressure, mean temperature and precipitation, are given. It has not been possible to employ homogeneous series throughout. In all cases an endeavour is made to secure that the normals are based on the same combination of values as the current data, or a comparable one. The years to which the normals refer are given in the *Table showing the Authorities for the Meteorology of the Globe* at the end of the volume.

Pressure.—The tables provide space for the entries of mean monthly pressure both at station level and at mean sea level. If the values at sea level are not given in the publication from which the data have been transcribed, they have been computed in the Meteorological Office for stations not exceeding 2,000 metres in altitude, for which the height above sea level was accurately known. The reduction is based on an expansion of the formula $\gamma_0 = \gamma_e \frac{z}{KT}$ and assumes that the temperature decreases upwards at the rate of 0·5° C. per 100 metres and that the average relative humidity of the air column between the station and sea-level is 50 per cent. The monthly means of pressure are based by preference on hourly values, but when such are not available, combinations of observations at fixed hours have been used. Particulars of the combination adopted at each station are given in the *Table showing the Authorities for the Meteorology of the Globe* under the heading " Remarks." Table I (p. vii) gives for certain stations the correction required to reduce the means computed in this way to the means computed from hourly observations. In cases in which it is possible to give values both for station level and for sea level, the differences from normal refer to the latter, except at the stations to which the suffix " q " is given in the list of Authorities, for which the differences from normal refer to station level.

Temperature.—The monthly tables include the means of the daily readings of maximum and minimum thermometers, the highest reading of the maximum and the lowest reading of the minimum thermometer, the mean temperature obtained from the mean maximum and mean minimum, and a column giving the observed or deduced mean of 24 hourly values per day.

The column headed " 24 hr. mean " contains : in Roman type, means based on at least six equally-spaced observations each day : in *italic* type, either (a) means based on observations at one or more fixed hours, with or without an appropriate correction ; or (b) means obtained by applying an appropriate correction to the mean of the mean daily maximum and mean daily minimum. The methods by which these figures in italics have been deduced are in all cases set out in the Table of Authorities in the column headed " Remarks " pp. 105–114.

Precipitation.—The term precipitation includes rain, snow, hail and (if of measurable amount) dew. The solid precipitates are measured by the depth of water they yield or are computed to yield when melted.

Wind.—No information regarding wind is included in the general tables, but at the end of each monthly section daily observations of wind are given for selected stations in the tropics. At the foot of these tables the Resultant Direction and the " Constancy " are given. No account is taken of wind *strength* in computing these quantities ; each observation of direction is regarded as a unit vector and the *resultant direction* is obtained by compounding the unit vectors. The " *constancy* " is represented by 100 times the ratio of the vector sum of the unit vectors to the number of observations (calms included). Direction is specified by the azimuth of the point *from* which the wind is blowing, and is measured in degrees from north through east.

State of Ice in the Arctic Seas.—The statistical information given for each month is supplemented by notes on the state of the ice in the Arctic Seas and in the North Atlantic Ocean.

Bibliography of the Meteorology of the Globe.—A bibliography will be found on page xv of the Réseau Mondial (Tables) 1914.

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean.*

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 1.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Gaasefiord for Inglefield Bay, ⅓ (8+14+21) (1)	0·0	0·0	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Gaasefiord and Godthaab for Upernivik, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Malye Karmakouly, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Zone 2.													
Sitka for Nome, ½ (6+18) (8)	+0·1	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Tanana *and* Valdez, ½ (7+19) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Eagle, ½ (8+18) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Godthaab, *and for* Jacobshavn, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Godthaab for Ivigtut, ⅓ (8+14+20) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Angmagsalik, ⅓ (8+14+21) (1) ..	+0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	−0·1
								0·0	0·0	0·0	0·0	+0·1	0·0
								0·0	0·0	0·0	0·0	0·0	0·0
								0·0	0·0	0·0	0·0	0·0	0·0
								0·0	0·0	0·0	0·0	0·0	0·0
								0·0	0·0	0·0	0·0	0·0	0·0
								0·0	0·0	0·0	0·0	+0·1	0·0
								0·0	0·0	0·0	0·0	0·0	0·0
								0·0	0·0	0·0	0·0	0·0	0·0
								0·0	0·0	0·0	0·0	0·0	0·0
								0·0	0·0	0·0	0·0	0·0	0·0
								+0·1	0·0	0·0	0·0	0·0	0·0
Sitka for Dutch Harbor, ½ (1+13) (8)								+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Dillingham, 16 h, (1) ..	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Sitka for Kodiak, ½ (2+14) (8) ..	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	+0·1	0·0
Sitka, ½ (8+20) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1
Sitka and Victoria for Prince Rupert, ½ (5+17) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria for Kamloops, ½ (4½+16½) (1)	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria and Moose Jaw for Calgary, ½ (5½+17½) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·1	+0·2
Fort Confidence and Moose Jaw for Fort Chipewyan, ½ (8+18) (1) ..	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	0·0
Moose Jaw for Prince Albert *and* Qu'Appelle, ½ (6+18) (1)	+0·3	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·2	+0·3	+0·3	+0·3	+0·2
Moose Jaw and Winnipeg for Minnedosa, ½ (7+19) (1)	+0·2	+0·1	+0·1	+0·1	+0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Fort Churchill for Port Nelson, ½ (7¾+18½) (1)	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·2	+0·1	+0·1	−0·1	−0·2	−0·2	0·0
Le Pas and Fredericton for Fort Hope, ½ (7+19) (1)..	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0
Le Pas and Fredericton for Moose Factory, ½ (9+14+19) (1)	+0·1	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0
Hamburg and Uppsala for Copenhagen, ⅓ (8+14+21) (2)	+0·1	−0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	+0·1
Warsaw, ⅓ (7+13+21) (11)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0
Petrograd, ⅓ (7+13+21) (2)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Kiev, ⅓ (7+13+21) (1)	+0·1	+0·3	0·0	−0·1	−0·4	−0·4	−0·3	−0·3	−0·1	−0·2	+0·1	+0·1	−0·1
Moscow, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0
Kazan, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	+0·1	0·0
Orenburg, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Perm, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Ekaterinburg, ⅓ (7+13+21) (1) ..	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	−0·1	0·0	0·0	0·0	+0·1	0·0
Tobolsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Barnaoul, ⅓ (7+13+21) (2)	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0

RÉSEAU MONDIAL, 1920.

ERRATA.

Page vi, line 6. The formula *should read* $p_0 = pe^{\frac{z}{KT}}$.

Page xi, line 39, *for* "1923" *read* "1920."

Pressure.—The tables provide space for the entries of mean monthly pressure both at station level and at mean sea level. If the values at sea level are not given in the publication from which the data have been transcribed, they have been computed in the Meteorological Office for stations not exceeding 2,000 metres in altitude, for which the height above sea level was accurately known. The reduction is based on an expansion of the formula $\gamma_0 = \gamma_e \frac{z}{KT}$ and assumes that the temperature decreases upwards at the rate of 0·5° C. per 100 metres and that the average relative humidity of the air column between the station and sea-level is 50 per cent. The monthly means of pressure are based by preference on hourly values, but when such are not available, combinations of observations at fixed hours have been used. Particulars of the combination adopted at each station are given in the *Table showing the Authorities for the Meteorology of the Globe* under the heading " Remarks." Table I (p. vii) gives for certain stations the correction required to reduce the means computed in this way to the means computed from hourly observations. In cases in which it is possible to give values both for station level and for sea level, the differences from normal refer to the latter, except at the stations to which the suffix " q " is given in the list of Authorities, for which the differences from normal refer to station level.

Temperature.—The monthly tables include the means of the [illegible]
maximum and minimum th[illegible]
the lowest reading of the m[illegible]
from the mean maximum an[illegible]
deduced mean of 24 hourly v[illegible]

The column headed " 24 h[illegible]
least six equally-spaced observ[illegible]
observations at one or more fix[illegible]
(b) means obtained by applyi[illegible]
daily maximum and mean da[illegible]
italics have been deduced are[illegible]
column headed " Remarks " p[illegible]

Precipitation.—The term[illegible]
measurable amount) dew. The[illegible] are measured by the depth of water they yield or are computed to yield when melted.

Wind.—No information regarding wind is included in the general tables, but at the end of each monthly section daily observations of wind are given for selected stations in the tropics. At the foot of these tables the Resultant Direction and the " Constancy " are given. No account is taken of wind *strength* in computing these quantities; each observation of direction is regarded as a unit vector and the *resultant direction* is obtained by compounding the unit vectors. The " *constancy* " is represented by 100 times the ratio of the vector sum of the unit vectors to the number of observations (calms included). Direction is specified by the azimuth of the point *from* which the wind is blowing, and is measured in degrees from north through east.

State of Ice in the Arctic Seas.—The statistical information given for each month is supplemented by notes on the state of the ice in the Arctic Seas and in the North Atlantic Ocean.

Bibliography of the Meteorology of the Globe.—A bibliography will be found on page xv of the Réseau Mondial (Tables) 1914.

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean.*

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 1.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Gaasefiord for Inglefield Bay, ⅓ (8+14+21) (1)	0·0	0·0	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Gaasefiord and Godthaab for Upernivik, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Malye Karmakouly, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Zone 2.													
Sitka for Nome, ⅓ (6+18) (8)	+0·1	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Tanana *and* Valdez, ½ (7+19) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Eagle, ⅓ (8+18) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Godthaab, *and for* Jacobshavn, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Godthaab for Ivigtut, ⅓ (8+14+20) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Angmagsalik, ⅓ (8+14+21) (1)	+0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	−0·1
Helsingiors, *and for* Kuopio, ⅓ (7+14+21) (8)	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Kola, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Arkhangelsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Mezen, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Oust-Tsylma, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Tcherdyn, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Berezov, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Sourgout, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Doudinka, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Touroukhansk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Viliouisk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	−0·1	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Iakoutsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Verkhoïansk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0
Zone 3.													
Sitka for St. Paul Is., ⅓ (6+18) (8)	+0·1	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Dutch Harbor, ½ (1+13) (8)	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Sitka for Dillingham, 16 h. (1)	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·1	−0·1	0·0	+0·1	+0·1	0·0
Sitka for Kodiak, ½ (2+14) (8)	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	−0·1	−0·1
Sitka, ½ (8+20) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1
Sitka and Victoria for Prince Rupert, ½ (5+17) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria for Kamloops, ½ (4½+16½) (1)	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria and Moose Jaw for Calgary, ½ (5½+17½) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·1	+0·2
Fort Confidence and Moose Jaw for Fort Chipewyan, ⅓ (8+18) (1)	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	0·0
Moose Jaw for Prince Albert *and* Qu'Appelle, ⅓ (6+18) (1)	+0·3	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·2	+0·3	+0·3	+0·3	+0·2
Moose Jaw and Winnipeg for Minnedosa, ½ (7+19) (1)	+0·2	+0·1	+0·1	+0·1	+0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Fort Churchill for Port Nelson, ½ (7¾+18¼) (1)	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·2	+0·1	+0·1	−0·1	−0·2	−0·2	0·0
Le Pas and Fredericton for Fort Hope, ½ (7+19) (1)	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0
Le Pas and Fredericton for Moose Factory, ½ (9+14+19) (1)	+0·1	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0
Hamburg and Uppsala for Copenhagen, ⅓ (8+14+21) (2)	+0·1	−0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	+0·1
Warsaw, ⅓ (7+13+21) (11)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Petrograd, ⅓ (7+13+21) (2)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Kiev, ⅓ (7+13+21) (1)	+0·1	+0·3	0·0	−0·1	−0·4	−0·4	−0·3	−0·3	−0·1	−0·2	+0·1	+0·1	−0·1
Moscow, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0
Kazan, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	+0·1	0·0
Orenburg, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Perm, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Ekaterinburg, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	−0·1	0·0	0·0	0·0	+0·1	0·0
Tobolsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Barnaoul, ⅓ (7+13+21) (2)	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Zone 3—continued.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Tomsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Minousinsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	−0·1	−0·1	0·0	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0
Eniseisk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Irkutsk, ⅓ (7+13+21) (2)	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	+0·1	−0·1
Tchita, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	−0·1
Tygan Ourkan, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Blagovyeshchensk, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Nikolaevsk-sur-Amour, ⅓ (7+13+21)(1)	+0·1	0·0	−0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0
Sitka for Attu, 8 h. (8)	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Zone 4.													
Winnipeg for Port Arthur, ⅓ (7+14+19) (1)	0·0	+0·1	+0·1	+0·1	+0·1	0·0	0·0	+0·1	+0·1	0·0	0·0	0·0	0·0
New York, ⅓ (7+14+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·1	0·0
St. John, N.B., ⅓ (9+15+21) (1) ..	−0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1
Nice for Marseille, ⅓ (7+10+13+16+18+22) (16)	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Rome, ⅓ (9+15+21) (3)	−0·3	−0·3	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·1	−0·3	−0·3	−0·2	−0·2
O-Gyalla for Budapest, ⅓ (7+14+21) (1)	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0
Bucharest for Sofia, ⅓ (7+14+21) (1) ..	+0·1	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·1	0·0
Bucharest, ⅓ (8+14+20) (13)	+0·1	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	0·0
Odessa, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Kharkov, ⅓ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1
Novorossiisk, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	0·0	0·0	0·0	−0·1
Tiflis, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·1	0·0	0·0	+0·1	−0·1
Tachkent, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Narynskoe, ⅓ ((7+13+21) (1) ..	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Vladivostok, ⅓ (7+13+21) (1) ..	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	0·0	−0·1
Zone 5.													
Madeira (Funchal), ⅓ (9+15+21) (1) ..	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·1	−0·1	−0·1	−0·1
Lisbon, ⅓ (9+15+21) (4)	−0·2	−0·1	−0·1	−0·2	−0·2	−0·1	−0·2	−0·1	−0·2	−0·2	−0·2	−0·1	−0·2
Lisbon for Gibraltar, ⅓ (7+13+21) (4)	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·3	−0·3	−0·2	−0·1	−0·1	0·0	−0·1
Bouzaréah for Melilla, ½ (8+16) (1) ..	+0·2	+0·2	+0·2	+0·1	+0·1	0·0	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	+0·1
Palma, ½ (8+16) (1)	−0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1
Metlaoui for Tunis, ⅓ (7+13+19) (1) ..	0·0	+0·1	+0·2	+0·2	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	0·0	+0·1	0·0
Malta, 8 h. (1)	−0·6	−0·7	−0·7	−0·7	−0·8	−0·8	−0·9	−0·8	−0·8	−0·7	−0·6	−0·7	−0·7
Naples for Riposto, ½ (9+15+21) (2) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Alexandria, ½ (8+14+20) (18) ..	0·0	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	−0·1	0·0	0·0
Athens and Cairo for Nicosia, ½ (8+15) (1)	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2
Baghdad, 7 h. (17)	−0·1	−0·4	−0·5	−0·6	−0·6	−0·8	−0·9	−0·9	−0·7	−0·6	−0·5	−0·2	−0·6
Lenkoran, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	0·0	0·0	+0·1	−0·1
Quetta, 8 h. (6)	−0·9	−0·6	−1·1	−1·2	−1·2	−1·4	−1·3	−1·2	−1·4	−1·5	−1·4	−1·1	−1·2
Peshawar, 8 h. (6)	−0·9	−1·1	−1·2	−1·4	−1·8	−2·1	−2·0	−1·9	−1·8	−1·8	−1·5	−1·0	−1·6
Lahore, 8 h. (6)	−0·7	−0·6	−1·0	−1·2	−1·3	−1·6	−1·3	−1·5	−1·4	−1·4	−1·0	−0·9	−1·1
Simla, 8 h. (6)	−0·2	−0·2	−0·2	−0·4	−0·6	−0·5	−0·5	−0·4	−0·5	−0·5	−0·6	−0·4	−0·4
Leh, 8 h. (6)	−1·0	−0·9	−1·2	−1·2	−1·3	−1·6	−1·8	−1·7	−1·9	−1·7	−1·5	−1·2	−1·5
Zi-Ka-Wei for Hankow, ⅓ (6+14+22) (7)	+0·3	+0·2	+0·2	+0·1	0·0	0·0	−0·1	0·0	0·0	+0·2	+0·2	+0·3	+0·1
Pekin for Tientsin, ⅓ (6+14+22) (8) ..	+0·3	+0·3	+0·1	0·0	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·1
Zone 6.													
Mexico for La Paz, Chihuahua, Leon *and* Monterry, ⅓ (7+14+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·2	0·0
Nassau, Bahamas, ⅓ (8+15) (1) ..	+0·1	+0·1	0·0	+0·1	0·0	+0·1	+0·2	+0·2	+0·1	+0·2	+0·1	+0·1	+0·1
Izaña, ⅓ (7+14+21) (19)	0·0	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·1	−0·1	0·0	0·0	−0·1
Khartoum and Cairo for Aswan, ⅓ (8+14+20) (18)	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Khartoum and Cairo for Tor, ⅓ (8+14+20) (18)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0
Bushire, 8 h. (6)	−0·8	−0·8	−0·9	−0·7	−0·8	−0·6	−0·5	−0·5	−0·7	−0·9	−1·0	−0·9	−0·7
Jask, 8 h. (6)	−1·2	−1·1	−1·1	−1·0	−1·0	−0·8	−0·6	−0·8	−1·0	−1·1	−1·3	−1·2	−1·0
Karachi, 8 h. (6)	−1·5	−1·5	−1·4	−1·3	−1·3	−0·9	−0·8	−1·0	−1·2	−1·4	−1·5	−1·5	−1·3

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 6—continued.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Jacobabad, 8 h. (6)	−1·1	−1·3	−1·7	−1·7	−1·8	−1·7	−1·5	−1·4	−1·5	−1·4	−1·4	−1·2	−1·5
Jaipur, 8 h. (6)	−1·1	−1·2	−1·5	−1·6	−1·8	−1·6	−1·2	−1·2	−1·4	−1·6	−1·3	−1·3	−1·4
Nagpur, 8 h. (6)	−1·7	−1·9	−2·1	−2·3	−2·2	−1·4	−1·2	−1·2	−1·5	−1·7	−1·8	−1·7	−1·7
Allahabad, 8 h. (6)	−1·5	−1·6	−1·9	−2·0	−1·9	−1·7	−1·2	−1·2	−1·6	−1·7	−1·7	−1·6	−1·6
Darjeeling, 8 h. (6)	−0·3	−0·3	−0·6	−0·8	−0·9	−0·8	−0·6	−0·6	−0·8	−0·8	−0·7	−0·5	−0·6
Calcutta, 8 h. (6)	−1·6	−1·6	−1·7	−1·8	−1·5	−1·1	−0·9	−1·0	−1·2	−1·6	−1·7	−1·7	−1·5
Dinajpur and Sibsagar for Gauhati, 8 h. (6)	−1·7	−1·6	−1·9	−2·0	−1·8	−1·4	−1·4	−1·5	−1·6	−1·8	−1·9	−1·8	−1·7
Akyab, 8 h. (6)	−1·5	−1·5	−1·6	−1·7	−1·1	−0·8	−0·8	−0·9	−1·2	−1·4	−1·3	−1·5	−1·3
Mandalay, 8 h. (6)	−1·7	−1·8	−2·1	−2·1	−1·7	−1·4	−1·3	−1·3	−1·6	−1·8	−1·8	−1·8	−1·7
Phu Lien for Moncay, ½ (10+16) (9) ..	−0·3	−0·2	−0·2	−0·1	+0·1	+0·2	+0·2	+0·2	+0·1	−0·1	−0·1	−0·1	0·0
Hongkong for Amoy, 9 h. (13)	−1·8	−1·7	−1·6	−1·5	−1·3	−1·0	−0·9	−0·8	−1·2	−1·6	−1·7	−1·8	−1·4
Taihoku and Manila for Basco, ½ (6+14) (13)	+0·7	+0·6	+0·5	+0·5	+0·4	+0·4	+0·4	+0·5	+0·6	+0·6	+0·6	+0·7	+0·5
Zone 7.													
Mexico for Colima, Morelia *and* Salina Cruz, ⅓ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·2	0·0
Jamaica, ½ (7+15) (12)	+0·5	+0·4	+0·3	+0·2	+0·2	+0·2	+0·3	+0·4	+0·4	+0·4	+0·5	+0·4	
Port au Prince, ½ (7+13+21) (13) ..	−0·1	−0·2	−0·3	−0·3	−0·3	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	−0·2	
St. Kitts for Montserrat, ½ (9+15) (13)	−0·3	−0·3	−0·2	−0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·1
Barbados, ½ (9+15) (13)	−0·3	−0·1	−0·1	0·0	+0·1	+0·1	0·0	−0·2	−0·3	−0·1	−0·1	−0·2	0·0
Duala for Kaduna, 9 h. (1)	−1·7	−1·7	−1·8	−1·8	−1·7	−1·6	−1·6	−1·6	−1·8	−1·9	−1·7	−1·7	−1·7
Khartoum, ⅓ (8+14+20) (18) ..	−0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1
Khartoum and Cairo for Port Sudan, ⅓ (8+14+20) (18)	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Aden, 8 h. (6)	−1·6	−1·7	−1·7	−1·5	−1·6	−2·0	−2·1	−2·2	−1·9	−1·4	−1·7	−1·3	−1·8
Bombay, 8 h. (6)	−2·0	−1·9	−2·0	−2·0	−1·8	−1·1	−1·0	−1·2	−1·6	−2·0	−2·2	−2·1	−1·8
Cochin, 8 h. (6)	−1·9	−1·8	−1·8	−1·6	−1·2	−0·7	−0·7	−0·9	−1·2	−1·4	−1·6	−1·8	−1·4
Bangalore, 8 h. (6)	−1·7	−1·7	−1·9	−2·1	−1·8	−1·2	−1·0	−1·3	−1·5	−1·7	−1·6	−1·7	−1·6
Madras, 8 h. (6)	−1·5	−1·5	−1·7	−1·7	−1·6	−1·6	−1·5	−1·6	−1·8	−1·7	−1·5	−1·5	−1·6
Vizagapatam, 8 h. (6)	−1·7	−1·6	−1·8	−1·8	−1·7	−1·2	−1·1	−1·2	−1·3	−1·6	−1·6	−1·7	−1·5
Port Blair, 8 h. (6)	−1·3	−1·2	−1·2	−1·3	−1·1	−0·9	−0·8	−0·9	−1·1	−1·2	−1·2	−1·3	−1·1
Rangoon, 8 h. (6)	−1·7	−1·9	−2·1	−2·2	−1·6	−1·0	−1·0	−1·0	−1·3	−1·8	−1·5	−1·8	−1·6
Bolinao, ½ (6+14) (1)	+0·5	+0·5	+0·5	+0·5	+0·5	+0·5	+0·4	+0·5	+0·6	+0·6	+0·6	+0·6	+0·5
Ormoc, ½ (6+14) (1)	+0·7	+0·6	+0·6	+0·7	+0·6	+0·6	+0·6	+0·7	+0·7	+0·7	+0·7	+0·7	+0·7
Zone 8.													
Duala for Lagos, 9 h. (1)	−1·7	−1·7	−1·8	−1·8	−1·7	−1·6	−1·6	−1·6	−1·8	−1·9	−1·7	−1·7	−1·7
Entebbe, ⅓ (7+14+21) (1)	+0·1	0·0	−0·2	−0·2	−0·2	0·0	+0·1	+0·2	+0·1	−0·2	−0·3	−0·1	−0·1
Colombo, ⅓ (9½+15½) (6)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Trincomalee, ½ (9½+15½) (6)	−0·1	−0·1	0·0	+0·2	+0·3	+0·3	+0·4	+0·3	+0·3	+0·2	+0·1	0·0	+0·2
Singapore, *and for* Penang, ⅓ (9+15+21) (2)	−0·2	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·2	−0·3	−0·2	−0·3	−0·2
Manila for Iwahig, ½ (6+14) (13) ..	+0·7	+0·6	+0·6	+0·6	+0·6	+0·5	+0·5	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6
Zone 9.													
Quixeramobim, *and for* Turyassu and Barra do Corda, ⅓ (7+14+21) (1) ..	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1
Zanzibar, 8 h. (6)	−2·1	−2·1	−1·6	−1·3	−1·1	−1·1	−1·1	−1·3	−1·6	−1·5	−1·6	−1·5	
Ocean Island, ½ (9+21) (1)	−1·4	−1·2	−1·4	−1·4	−1·4	−1·0	−1·2	..	..	..	..	..	..
Ocean Island, ½ (8+21) (1)	..	..	..	..	..	..	..	−1·0	−1·0	−0·9	−0·9	−1·0	..
Zone 10.													
Arequipa, ½ (10+22) (14)	−0·6	−0·7	−0·7	−0·6	−0·7	−0·6	−0·7	−0·7	−0·7	−0·7	−0·6	−0·6	−0·7
St. Helena, 9 h. (1)	−1·2	−1·2	−1·3	−1·3	−1·3	−1·1	−1·1	−1·1	−1·0	−1·1	−1·2	−1·2	−1·2
Kimberley and Zomba for Gwelo, 9 h. (1)	−1·4	−1·5	−1·4	−1·4	−1·4	−1·3	−1·3	−1·4	−1·5	−1·5	−1·5	−1·4	−1·4
Salisbury, 9 h (5)	−1·3	−1·3	−1·5	−1·3	−1·3	−1·2	−1·3	−1·5	−1·7	−1·7	−1·7	−1·4	−1·4
Zomba, ½ (9+21) (1)	−0·8	−0·8	−0·8	−0·9	−0·9	−0·9	−0·9	−1·0	−1·0	−0·9	−0·9	−0·9	−0·9
Antananarivo, ⅓ (7+13+18) (1) ..	+0·2	+0·2	+0·3	+0·3	+0·3	+0·2	+0·2	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Derby, ½ (9+15) (1)	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0
Hall's Creek, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·3	
Darwin, ½ (9+15) (1)	0·0	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0
Daly Waters, ½ (9+15) (1)	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3
Mein, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	+0·1
Georgetown, Queensland, ½ (9+15) (1)	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Apia for Suva, Fiji, 9 h. (10)	−1·2	−1·3	−1·5	−1·4	−1·5	−1·5	−1·4	−1·4	−1·5	−1·4	−1·3	−1·2	−1·4

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 11.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Santiago for Punta Tortuga, ⅓ (7+14+21) (1)	−0·3	−0·2	−0·2	0·0	0·0	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·3	−0·1
Mollendo for Iquique, ½(7+14+21) (14)	−0·1	−0·1	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·2	−0·2	0·0
Curityba, ⅓ (7+14+21) (13)	−0·2	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	0·0
Kimberley, ⅓ (8+14+20) (15) ..	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0	0·0
Johannesburg, *and for* Pretoria, 8½ h. (13)	−1·0	−1·1	−1·1	−1·1	−1·0	−1·0	−1·1	−1·3	−1·3	−1·2	−1·1	−1·1	−1·1
Bulawayo, 8 h. (1)	−1·3	−1·2	−1·1	−1·0	−1·0	−0·9	−0·9	−1·0	−1·3	−1·4	−1·4	−1·3	−1·1
Onslow, ½ (9+15) (1)	−0·2	−0·2	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·1
Peak Hill, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·1	+0·1	+0·2
Nullagine, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	0·0	+0·1
Laverton, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3	+0·3
Alice Springs, ½ (9+15) (1)	+0·6	+0·5	+0·7	+0·7	+0·8	+0·9	+0·9	+1·0	+1·0	+0·9	+0·9	+0·8	+0·8
William Creek, ½ (9+15) (1)	+0·3	+0·3	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3
Boulia, ½ (9+15) (1)	+0·4	+0·4	+0·5	+0·5	+0·6	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6	+0·5	+0·6
Mitchell, *and for* Thargomindah, ½ (9+15) (1)	0·0	+0·1	+0·1	+0·2	+0·3	+0·3	+0·4	+0·4	+0·5	+0·5	+0·3	+0·2	+0·3
Rockhampton, ½ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Brisbane, ½ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Zone 12.													
Valdivia for Punta Tumbes, ⅓ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1
Santiago, *and for* Valparaiso, ⅓ (7+14+21) (1)	−0·3	−0·2	−0·2	0·0	0·0	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·3	−0·1
Cape Town, ⅓ (8½+12½+20½) (2) ..	−0·4	−0·4	−0·3	−0·3	−0·2	−0·2	−0·2	−0·3	−0·3	−0·3	−0·3	−0·3	−0·3
Cape Town for Danger Point, Riversdale *and* East London, 8½ h. (2) ..	−0·5	−0·6	−0·7	−0·7	−0·7	−0·7	−0·7	−0·8	−0·8	−0·7	−0·6	−0·5	−0·7
Cape Leeuwin for Perth, ⅓ (9+15) (1) ..	−0·2	−0·3	−0·1	0·0	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·2	−0·2	−0·1
Breaksea Island for Katanning, ½ (9+15) (1)	0·0	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·2	0·0	+0·1	+0·1	0·0	+0·1
Coolgardie, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2	+0·2
Eucla, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·2	+0·2	+0·2	+0·2
Streaky Bay, ½ (9+15) (1)	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2
Adelaide, ½ (9+15) (1)	0·0	0·0	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·1
Bourke, 9 h. (1)	−1·2	−1·1	−1·2	−1·1	−0·9	−0·8	−0·7	−0·8	−1·0	−1·0	−1·0	−1·1	−1·0
Sydney, ½ (9+15) (1)	+0·1	0·0	−0·1	0·0	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Zone 13.													
Santiago, Punta Arenas for Isla Guafo *and* Punta Galera, ⅓ (7+14+21) (1)	−0·3	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·1	−0·3	−0·1
Hobart, *and for* Launceston, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·1	0·0	+0·1	+0·2	+0·1	+0·1	+0·2	+0·3	+0·3	+0·2
Zone 14.													
Punta Arenas, *and for* Islota de los Evangelistas *and* Punta Dungeness, ⅓ (7+14+21) (1)	−0·1	−0·1	−0·1	0·0	+0·1	+0·1	+0·2	+0·1	0·0	0·0	0·0	−0·1	0·0
South Georgia, ⅓ (8+14+20) (1) ..	0·0	+0·1	0·0	−0·1	−0·1	+0·2	+0·2	+0·2	+0·1	0·0	0·0	+0·1	+0·1

(1) Prepared in M.O.
(2) Buchan, A., *Report on . . . Voyage of H.M.S. "Challenger," 1873–76. Physics and Chemistry*, vol. ii., part v. *Report on Atmospheric Circulation.* London, 1889.
(3) Eredia, F., *Il clima di Roma*, 1911.
(4) Lima, A., *O clima de Portugal Continental*, 1922.
(5) *Corrections supplied by* Salisbury, Dept. Agric.
(6) *Indian Meteorological Memoirs*, vol. xvii.
(7) Zi-Ka-Wei, *Bulletin des Observations*, 1910.
(8) Rykatchew, M., *La marche diurne du baromètre en Russie*, 1879.
(9) Le Cadet, G., *Le climat du Delta du Tonkin*, 1911.
(10) Tetens, O., u. Linke, F., *Das Klima von Samoa*, 1910.
(11) Gorczynski, Wl., *Pression atmosphérique en Pologne et en Europe*, 1917.
(12) Kingston, Jamaica (Weather Office), No. 553. *Meteor. results of barometer pressure, temperature, &c.* Jamaica, 1923.
(13) Hann, J. von, *Die ganztägige (24-stündige) Luftdruckschwankung . . . .*, 1919.
(14) Cambridge, Mass., Astr. Obs. Harvard College, *Annals*, vol. 49, parts i. and ii.
(15) Sutton, J. R., *Diurnal Variation of Barometric Pressure*, 1907.
(16) Angot, A., *Etude sur le climat de la France. Pression atmosphérique.* Paris, Ann. bur. centr. météor., *Annales*, 1906, part i, p. 83.
(17) Eredia, F., *Sul clima di Bagdad.* Rome, 1917.
(18) *Corrections supplied by* Cairo, Phys. Dept.
(19) Madrid, *Anuario del Obs.*, Tomo III., Suppl. 3, p. 4.

ADDITIONS AND CORRECTIONS, 1914–1920.

1914–1919 :—

For the following stations :—

551a *Lahore*, 651 *Jaipur*, 654 *Calcutta*, 751 *Bombay*, 752 *Kodaikanal*, 752a *Bangalore*, 753 *Madras*. Table of Authorities : Remarks : *for* $\mathfrak{T}$ derived from ⅓ (10 + 16) *read* $\mathfrak{T}$ derived from ½ (M + *m*).

947. *Seychelles*. Table of Authorities : Remarks : *for* P, $\mathfrak{T}=\frac{1}{3}(10+16)$ reduced to mean of 24hrs. *read* $P=\frac{1}{2}(10+16)$ reduced to mean of 24 hrs. $\mathfrak{T}$ derived from ½ (M + *m*.).

1916–1920 :—

530. *Santa Cruz*, 531 *Horta*, 532 *Ponta Delgada*. January to December, Year, Pressure : Station level values require a correction of —0·5 mb., —0·6 mb., —0·7 mb. (Gravity correction) for Santa Cruz, Horta and Ponta Delgada respectively. The values reduced to Mean Sea Level are correct.

1918 :—

1126. *Asuncion*. January, Pressure : Mean at level of station, *for* 991·1 *read* 999·1.

1919 :—

336. *Greenwich*. Table of Authorities : Period of Normals *should read* **P,** 1871–1915. $\mathfrak{T}$, **R,** 1881–1915.

424a. *Sable Island*. Table of Authorities : Period of Normals :—*for* $\mathfrak{T}$ *read* **T.**

524. *Bermuda*. July, Pressure : Mean at M.S.L., *for* 1022·7 *read* 1021·7.

536a. *Melilla*. September to December, Pressure : *delete* the ‡ in pressure columns and *substitute* the following values :—

Sept., 1016·1 ;	1017·0 ;	—2·7	Nov., 1015·8 ; 1016·8 ; —2·8
Oct., 1019·4 ;	1020·3 ;	+0·4	Dec., 1021·4 ; 1022·4 ; +2·8

Year, 1017·4 ; 1018·4 ; —0·6.

Table of Authorities : Remarks *should read* " The pressures (Jan.—Aug.) appear about 2·5 mb. too high. This correction has been applied to these months."

743. *El Obeid*. Table of Authorities : Period of Normals and Remarks *should read* $\mathfrak{T}$, 1901–20, **R,** 1902–20, cg $\mathfrak{T}=\frac{1}{4}(8+14+20+m)$.

836. *Accra*. Temperature : *insert* 24 hr. mean.

Oct., *298·8*. Nov., *298·9*. Dec., *298·6*.

Table of Authorities : Remarks : *insert* letter ' d."

1007. *Makatea*. December, Height : *for* 147m. *read* 47m.

1226. *Montevideo*. September, absolute minimum temperature, *for* 272·0 *read* 272·2.

1423. *Punta Dungeness*. Table of Authorities : Remarks :—*for* ½ (7 +14 +2 +21) *read* ½ (7 +14 +2 ×21).

1920 :—

621. *Nassau Bahamas*. January to June, Height ; *for* 3·7 m. *read* 7·3 m.

650. *Jacobabad*. June : *for* Jacobadad *read* Jacobabad.

731. *São Vicente*. June, Temperature : 24 hr. mean : *for* 297·0 *read 297·0*.

745. *Berbera, Somaliland*. April, Precipitation : difference from normal :—*for* +4 *read* —4.

944. *Nairobi*. May, absolute maximum temperature :—*for* 285·8 *read* ?296·9.

1057. *Christmas Island*. June, Precipitation : difference from normal :—*for* +05 *read* +105.

State of Ice . . . May, *Iceland : for* 7 days visible *read* 6 days visible.

1923 :—

422. *New York (Central Park)*. Pressure, Mean at M.S.L. *should read :—*

	Jan.	Feb.	Mar.	April.	May.	June.
M.S.L. mb.	1021·9	1015·5	1015·8	1010·9	1018·2	1014·7

719. *San Salvador*. Pressure, Mean at Level of Station, M.S.L., and differences from normal *should read :—*

	Jan.	Feb.	Mar.	April.	May.	June.
Stat. Lev. mb. ..	938·0	936·8	936·6	935·6	935·8	935·8
M.S.L. mb.	1013·8	1012·5	1011·9	1010·8	1011·1	1011·1
Diff.	+2·0	+0·5	+1·0	+0·4	+1·1	+0·8

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
	1920	° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1226a	Porto Alegre .	30 2	51 13	23·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	January . .	..	..	..	1008·6	1011·3	—0·1	302·6	308·0	17th	292·8	287·1	25th	297·7	297·3	—0·2	132	+ 15
	February . .	..	..	..	1009·4	1012·1	—0·6	301·2	307·9	20th	292·3	288·4	8th	296·8	296·5	—1·2	137	+ 53
	March . .	..	..	..	1011·4	1014·1	—1·0	302·2	307·5	14th	290·6	285·4	25th	296·4	296·1	+0·6	27	— 61
	April . .	..	..	..	1014·6	1017·3	+1·5	298·9	307·5	2nd	288·7	282·4	22nd	293·8	293·7	+0·1	63	— 62
	May . .	..	..	..	1013·0	1015·8	—1·8	296·1	303·6	31st	285·4	276·6	24th	290·8	290·3	0·0	46	— 75
	June . .	..	..	..	1016·3	1019·1	—0·6	292·0	303·3	1st	282·5	274·1	14th	287·3	286·8	+0·5	144	+ 23

RÉSEAU MONDIAL, JANUARY 1920.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JANUARY 1920 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. — **JANUARY—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
165	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
166	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
167	Upernivik	72 47	W56 7	18·9	1002·2	1004·8	—1·0	251·3	261·6	6th	245·3	238·0	20th	248·3	*247·7*	—3·2	0	— 11
168	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	999·1	1000·6	—6·3	..	276·1	27th	256·5	239·4	5th	..	260·7	+5·8	18	— 13
169	Björnöen	74 28	19 15	40·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
170	Gjesvaer	71 6	25 22	6·5	995·2	996·0	—6·8	..	274·7	6th	265·7	256·5	31st	..	*268·0*	—1·4	30	— 20
171	Mehavn	71 1	27 47	6·4	996·6	997·4	—4·0	..	273·9	11th	263·4	252·5	31st	..	*266·6*	—1·7	70	— 1
172	Vardö	70 22	31 8	10·0	999·9	1001·2	—3·6	..	273·6	4th	264·4	253·2	31st	..	*266·8*	—0·7	82	+ 12
173	Malye Karmakouly	72 23	52 43	14·8	1007·9	1009·8	+2·1	?265·2	?273·0	11th	?258·2	?239·3	7th	?261·7	*?261·9*	+5·3	..	..
174	Waigatz	70 24	58 47	11·2	..	..	..	261·3	271·2	15th	253·1	233·9	7th	257·2	*257·3*	..	11	..
		N.	E.															

Between Latitude 70° N. and 60° N. — **JANUARY—ZONE 2.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
203	Nome	64 30	165 24	6·7	..	1024·4	+12·2	256·8	268·0	1st	247·9	239·7	13th	252·3	*252·7*	—3·5	13	— 8
204	Candle	65 55	161 57	2·4	..	..	..	?254·8	..	..	?246·9	..	..	?250·9	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1022·3	+ 3·8	249·4	268·6	8th, 9th	240·2	224·1	12th	244·8	*244·4*	—2·5	3	— 10
206	Rampart	65 30	150 15	122	..	..	..	248·8	270·2	9th	237·1	222·4	13th	242·9	..	..	8	— 5
207	Valdez	61 7	146 16	8·2	..	1015·9	+ 7·6	267·3	276·3	7th	259·5	248·6	31st	263·4	*263·6*	—1·9	84	— 6
208	Eagle	64 46	141 12	254	..	1024·4	+ 5·5	248·5	275·2	7th	240·7	219·7	14th, 15th	244·6	..	—1·6	2	— 9
209	Dawson	64 4	139 20	328	984·6	1031·7	+ 9·0	242·4	259·7	3rd, 7th	235·8	223·0	30th	239·1	..	—3·4	7	— 15
210	Carcross	60 11	134 34	662	..	..	..	254·9	278·6	7th	245·0	226·9	sev. dates	249·9	..	—3·1	0	— 13
211	Fort Good Hope	66 25	128 53	65·2	1012·7	1021·9	..	251·9	266·3	8th	237·4	221·3	14th, 15th	244·7	..	..	6	— 12
212	Fort Simpson	61 52	121 35	129	1006·1	1024·3	..	252·4	276·9	4th	239·7	227·4	16th	246·1	..	+1·5	0	— 14
213	Hay River	60 51	115 20	161	999·6	1021·8	..	254·7	277·4	3rd	245·2	231·9	29th	249·9	..	+4·1	5	..
253	Jacobshavn	69 13	51 2	12·6	?999·5	1001·2	— 2·0	?256·9	271·5	4th	?248·9	238·9	20th	?252·9	*?253·0*	—2·0	4	— 5
254	Godthaab	64 11	51 43	9·0	991·1	992·3	— 6·0	263·6	272·2	19th	258·7	249·4	17th	261·1	*261·8*	—1·4	..	..
255	Ivigtut	61 12	48 10	5·0	990·2	990·9	— 7·0	266·3	278·4	3rd	260·9	255·6	29th	263·6	*263·4*	—2·1	53	— 30
256	Angmagsalik	65 37	37 33	31·7	987·2	991·3	— 6·5	265·0	272·2	3rd	258·5	245·1	13th	261·7	*262·1*	—2·5	60	— 28
257	Stykkisholm	65 5	22 46	11·3	988·0	989·5	— 7·9	271·6	279·8	16th	265·1	259·6	14th, 15th	268·3	*268·9*	—1·9	31	— 40
258	Vestmanno	63 26	20 15	7·7	986·6	987·6	—10·7	274·4	279·6	4th	269·2	262·6	1st	271·8	*272·1*	—2·4	87	— 59
259	Grimsey	66 33	17 58	22·0	987·2	990·0	—10·6	271·4	276·5	5th	..	..	..	..	*269·2*	—2·0	..	..
260	Berufjord	64 40	14 19	18·0	987·0	989·3	—10·7	273·4	281·2	4th	267·4	260·3	20th	270·4	*270·7*	—1·3	58	— 68
261	Thorshavn	62 3	6 45	26·3	988·7	991·9	—11·9	277·6	281·6	5th	272·3	264·0	10th	274·9	*275·3*	—1·2	145	— 26
262	Lerwick	60 9	W 1 8	18·0	996·4	998·6	— 8·0	278·6	282·4	15th	273·9	267·4	10th	276·3	*276·7*	—0·7	138	+ 30
303	Bergen (Met. Obs.)	60 24	E 5 19	44·4	995·1	1000·6	— 9·4	276·8	280·3	26th	272·6	266·2	11th	274·7	*274·6*	+0·2	358	+190
304	Christiansund	63 7	7 45	17·8	995·1	997·3	— 9·8	..	279·6	6th	272·2	268·2	3rd	..	*274·9*	+0·2	102	— 10
305	Trondhjem	63 26	10 25	39·5	993·9	998·8	— 9·2	274·5	279·6	16th	269·4	263·3	3rd	271·9	*272·0*	+1·7	57	— 49
306	Bodö	67 17	14 24	22·4	991·9	994·7	—10·5	..	279·3	6th	268·0	260·2	31st	..	*272·0*	+0·6	74	— 16
307	Haparanda	65 50	24 9	9·2	1003·7	1004·9	— 5·3	264·3	273·5	6th, 7th	256·7	247·0	22nd	260·5	*260·9*	—0·8	86	+ 47
308	Helsingfors	60 10	24 57	11·7	1008·4	1010·0	— 4·4	268·5	274·7	9th	263·2	252·9	23rd	265·8	266·0	—1·3	63	+ 21
309	Kuopio	62 54	27 40	90·3	997·6	1009·4	— 4·0	264·3	273·9	9th	256·7	244·1	22nd	260·5	*261·3*	—2·4	55	+ 14
353	Kola	68 53	33 1	6·7	1004·6	1005·5	— 1·3	263·0	274·7	9th	253·6	240·4	23rd	258·3	*258·5*	—2·9	26	+ 14
354	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
355	Arkhangelsk	64 35	40 30	6·2	1012·3	1013·1	+ 1·2	260·8	274·0	9th	253·7	238·5	23rd	257·2	*257·4*	—2·1	28	+ 5
356	Mezen	65 50	44 16	12·6	1011·0	1012·7	+ 1·9	262·0	272·8	10th	254·3	241·4	23rd, 26th	258·2	*258·6*	+0·5	19	+ 9
357	Oust-Tsylma	65 25	52 14	? 70	1006·4	1015·9	— 0·5	259·9	272·6	14th	252·4	239·3	26th	256·2	*256·5*	+1·9	22	..
358	Tcherdyn	60 24	56 31	?177	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Sourgout	61 15	73 24	? 40	1017·2	1022·7	+ 1·3	..	272·6	5th	246·7	229·9	26th, 27th	..	*251·8*	+2·7	16	+ 1
362	Doudinka	60 23	86 4	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Touroukhansk	65 47	87 57	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..
401	Viliouisk	63 45	121 35	?120	1013·6	1030·8	..	..	260·2	4th	237·9	221·3	11th	..	*242·6*	+8·0	11	+ 3
402	Iakoutsk	62 1	129 43	108	1012·8	1028·7	— 2·0	..	257·0	9th	231·9	216·2	12th	..	*236·5*	+6·9	11	+ 2
451	Verkhoïansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1020·6	+15·3	270·8	275·2	24th	265·9	260·8	13th, 30th	268·3	..	..	..	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1016·6	+13·0	273·4	276·3	3rd, 6th	269·4	265·8	13th	271·4	..	−2·3	..	..
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	263·7	275·2	1st	254·9	245·2	31st	259·3	..	..	13	−37
306	Kodiak (Radio)	57 46	152 22	6·1	..	1012·8	+ 9·1	‡272·3	277·4	2nd, 7th	‡266·9	257·4	26th, 27th	‡269·6	..	..	‡54	
309	Sitka	57 3	135 19	27·4	..	1015·2	+ 6·6	274·9	281·9	7th	268·4	258·6	22nd	271·7	*271·4*	−1·1	325	+198
310	Prince Rupert	54 18	130 18	51·8	1008·3	1014·8	+ 3·3	275·2	283·0	13th	271·3	259·1	22nd, 23rd	273·3	*273·3*	−0·7	313	+174
311	Barkerville	53 2	121 35	1274	867·6	1019·0	+ 0·4	267·4	276·9	30th	260·2	240·8	23rd	263·8	*263·8*	−0·6	145	− 2
312	Kamloops	50 42	120 29	385	980·3	1029·5	+ 6·5	270·8	285·2	14th	264·1	250·2	27th	267·4	*267·6*	−0·3	21	
313	Calgary	51 2	114 2	1045	895·2	1022·3	+ 1·5	269·1	281·9	9th	256·3	236·3	22nd, 23rd	262·7	*261·9*	+1·2	30	+ 17
314	Fort Chipewyan	58 42	111 10	218	993·9	1024·0	..	254·7	276·3	9th	243·6	230·8	24th	249·1	*248·8*	+0·5	15	+ 1
315	Prince Albert	53 10	105 38	442	967·3	1026·5	+ 6·5	257·4	274·7	9th	247·4	230·8	23rd	252·4	*253·0*	+0·5	28	+ 15
316	Qu'Appelle	50 30	103 47	645	941·4	1026·3	+ 8·0	259·1	274·1	9th	248·6	232·4	23rd	253·8	*253·6*	−1·1	53	+ 35
317	Minnedosa	50 15	99 50	515	958·3	1027·1	+ 6·9	257·4	271·9	9th	246·9	231·3	23rd	252·2	*252·2*	−1·7	25	+ 3
318	Berens River	52 18	97 23	216	..	..	..	253·1	267·4	6th	245·3	230·2	2nd	249·2	..	−2·0	25	+ 5
318*a*	Port Nelson	57 4	92 36	14·9	1018·9	1021·0	+ 4·7	249·1	263·6	5th	240·8	229·7	15th, 23rd	244·9	..	+0·8	13	− 4
319	Fort Hope	51 33	87 49	‡260	988·1	1024·0	..	254·1	266·3	6th	242·4	228·0	24th	248·3	*247·9*	−3·3	18	..
320	Moose Factory	51 14	80 30	9·1	1019·8	1021·1	+ 3·5	255·8	269·7	5th, 6th	243·6	225·2	24th	249·7	..	−3·5	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	252·6	265·2	5th	242·2	227·4	23rd	247·4	*247·1*	..	..	+ 19
322	Mistassini Post	50 15	73 55	383	..	..	..	254·6	266·3	8th, 11th	241·9	225·2	25th	248·3	..	−3·6	41	
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	262·5	270·8	3rd	253·4	246·9	20th, 26th	257·9	..	−1·2	28	− 60
326	Belle Isle	51 53	55 23	133	..	..	..	..	..	..	..	..	..	..	..	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1007·8	1009·5	− 4·4	282·6	285·8	12th	278·1	272·4	2nd	280·4	280·5	+0·6	197	+ 29
335	Aberdeen	57 10	W 2 6	26·8	999·1	1002·4	− 8·0	278·8	285·8	17th	274·1	268·0	3rd	276·4	276·1	0·0	34	+ 15
336	Greenwich	51 28	0 0	46·3	1007·4	1013·2	− 3·9	281·6	286·3	16th	275·8	267·4	7th	278·7	278·8	+2·0	58	
337	Uccle	50 48	E 4 22	100	1002·3	1014·7	− 2·3	280·5	285·6	31st	275·1	268·0	6th	277·8	277·4	+3·1	122	+ 55
338	De Bilt	52 6	5 11	3·0	1012·6	1013·0	− 3·0	279·8	284·1	12th	274·4	268·3	6th	277·1	277·2	+3·0	84	+ 35
338*a*	Hamburg	53 33	9 58	26·0	1008·5	1011·8	− 5·8	278·1	283·4	18th	273·6	268·9	7th	275·9	*275·7*	+2·7	94	+ 46
339	Copenhagen	55 41	12 36	5·0	1008·6	1009·2	− 6·0	275·5	280·9	17th	272·3	267·7	6th	273·9	*274·0*	+1·1	57	+ 8
340	Potsdam	52 23	13 4	84·9	1003·1	1013·7	− 4·0	277·0	283·0	19th	272·4	267·5	6th, 7th	274·7	274·5	+2·5	56	+ 18
340*a*	Uppsala	59 51	17 38	24	1003·2	1006·2	− 6·6	271·3	276·4	18th	265·7	256·9	11th	268·5	269·1	+0·1	52	+ 21
341	Warsaw	52 13	21 1	133	999·0	1015·8	− 2·8	273·6	280·3	12th	268·7	255·2	28th	271·1	271·3	+1·9	51	+ 13
342	Dorpat (Jurjev)	58 23	26 43	74·5	1003·0	1012·7	− 2·5	267·5	275·2	9th	261·9	245·5	25th	264·7	264·9	−1·5	18	
343	Petrograd	59 56	30 16	4·8	1011·9	1012·5	− 2·8	266·2	275·3	9th	260·5	246·4	25th	263·4	*263·4*	−1·4	14	− 16
344	Kiev	50 27	30 30	183	993·8	1017·2	− 3·3	273·9	277·3	4th	266·1	253·3	26th	270·0	*268·4*	+1·5	36	+ 5
344*a*	Moscow	55 50	37 33	167	995·4	1017·2	− 2·1	266·4	275·4	4th	259·7	241·2	24th	263·0	*263·2*	+0·6	27	− 7
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	+ 29
346	Kazan	55 47	49 8	79·9	1011·0	1021·6	+ 0·2	265·8	275·7	3rd	259·0	244·2	30th	262·4	*262·3*	+3·2	47	+ 21
347	Orenburg	51 45	55 6	109	1011·2	1025·7	+ 0·6	264·8	274·1	17th	257·1	242·3	30th	261·0	*261·0*	+3·5	20	+ 2
348	Perm	58 1	56 16	159	1001·4	1022·6	+ 1·5	..	274·9	4th	255·1	239·1	30th	..	*258·4*	+1·5	39	+ 9
349	Ekaterinburg	56 50	60 38	281	986·8	1023·9	+ 0·5	263·4	275·8	4th	255·1	234·8	28th	259·2	*258·9*	+2·4	16	+ 7
350	Tobolsk	58 12	68 14	?108	1010·4	1025·1	+ 3·6	..	271·7	18th	250·9	233·5	27th	..	*255·0*	+1·5	19	+ 2
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	− 24
353	Barnaoul	53 20	83 48	162	1009·2	1031·1	− 0·7	..	274·7	20th	251·9	225·2	29th	..	*256·9*	+2·9	43	+ 23
354	Tomsk	56 30	84 58	122	1011·1	1027·7	− 0·2	..	273·7	19th	249·9	227·9	29th	..	*255·3*	+2·2	51	
355	Minousinsk	53 43	91 41	249	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 10	77·6	1017·5	1028·2	− 0·9	..	271·0	7th	248·6	221·1	27th	..	*253·6*	+3·5	29	+ 7
357	Irkutsk	52 16	104 19	467	969·9	1032·2	− 1·6	..	269·0	1st	249·5	232·9	31st	..	*254·9*	+2·9	13	+ 7
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	674	939·9	1031·5	− 2·3	..	263·3	1st	243·2	232·3	11th	..	*248·6*	+3·3	5	+ 12
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	973·5	1025·1	..	255·8	264·2	4th	243·2	230·3	13th	249·5	*250·0*	..	4	+ 7
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	1004·0	1023·5	− 1·3	255·8	264·5	4th	246·5	235·0	13th	251·2	*251·1*	+3·1	9	
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1014·6	1017·4	+ 0·7	258·3	271·8	14th, 15th	251·7	239·6	13th	255·0	*256·6*	+7·4	27	+ 12
366																		
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1007·0	1008·7	+ 4·6	272·8	277·6	16th	269·1	258·7	6th	270·9	*270·8*	..	238	..
369																		
371	Attu Island	52 56	173 13	4·9	..	1014·9	+14·2	275·3	277·4	26th	271·6	261·9	2nd	273·4	..	..	117	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
401	Victoria, B.C.	48 24	123 19	70·1	1013·5	1022·3	+ 7·0	279·1	284·7	30th	275·2	269·1	22nd	277·2	276·8	0·0	141	+ 26
402	Portland, Oregon	45 32	122 41	46·6	1018·8	1024·4	+ 6·3	280·0	286·9	28th	274·2	268·0	13th	277·1	*277·1*	+0·2	123	− 45
403																		
404	Macleod	49 44	113 24	953	..	..	..	271·0	278·6	16th	260·1	238·0	27th	265·6	*265·6*	+0·1	30	+ 13
405	Helena	46 34	112 4	1253	875·9	1023·3	+ 2·5	274·0	285·2	18th	263·9	251·9	22nd	268·9	*268·5*	+2·2	17	− 8
406	Salt Lake City	40 46	111 54	1329	872·4	1024·7	+ 3·6	276·3	285·2	19th	268·3	259·7	11th	272·3	*272·5*	+1·2	31	− 3
407	Cheyenne	41 8	104 48	1856	813·0	1020·3	+ 1·9	279·8	290·2	29th	267·9	255·2	8th	273·8	*273·3*	+3·9	5	− 5
408	North Platte	41 8	100 45	859	921·2	1024·4	+ 4·0	277·2	292·4	29th	265·4	255·2	24th	271·3	*270·6*	+3·5	2	− 9
409	Bismarck	46 47	100 38	511	961·6	1026·4	+ 5·6	264·7	276·9	31st	254·0	237·4	21st	259·3	*259·2*	+0·3	13	0
410	Winnipeg	49 53	97 7	232	994·6	1026·2	+ 6·4	257·4	270·2	10th	248·6	234·7	23rd	253·0	*252·7*	+0·2	39	+ 18
411	Duluth	46 47	92 6	345	980·7	1025·0	+ 6·3	261·3	275·8	29th	252·4	241·3	18th	256·9	*256·6*	−2·8	29	0
412	Port Arthur	48 27	89 12	196	998·5	1024·9	+ 7·5	261·3	271·9	10th, 11th	249·7	240·2	25th	255·5	*255·7*	−2·6	19	0
413	Chicago	41 53	87 37	251	993·4	1025·4	+ 6·6	260·1	276·3	29th	262·3	252·4	2nd	265·7	*266·2*	−2·9	28	− 25
414	Toronto	43 40	79 24	116	1008·1	1023·4	+ 5·9	266·9	275·8	7th	258·0	245·2	31st	262·4	262·3	−5·1	60	− 13
415	New York (Central Park)	40 47	73 58	47·4	1015·8	1019·7	+ 0·9	272·3	283·6	27th	264·1	254·7	31st	268·2	268·0	−4·4	53	− 36
416	St. John, N.B.	45 17	66 4	36·2	1012·8	1017·6	+ 2·0	265·8	275·8	27th	255·8	244·1	31st	260·8	260·6	−5·1	87	− 35
417	S.W. Point, Anticosti	49 24	63 35	9·1	1013·2	1014·4	+ 2·5	261·9	270·8	8th	253·6	243·0	31st	257·7	*257·7*	−4·7	86	+ 31
418	Sable Island (Main Station)	43 57	60 0	7·6	1014·9	1015·9	+ 1·2	273·0	279·1	17th	265·8	253·6	31st	269·4	*269·4*	−2·9	81	− 61
419	Port aux Basques	47 35	59 10	9·1	1012·4	1013·6	+ 2·3	265·2	273·6	8th, 9th	259·1	249·7	24th	262·2	*262·1*	−5·0	121	− 26
420	St. John's, Newfoundland	47 34	52 42	38·1	1003·9	1008·9	− 0·9	267·4	277·4	18th	259·7	249·1	30th	263·6	*263·7*	−5·1	88	− 58
421	Madrid	40 24	3 41	667	945·7	1025·6	+ 3·8	283·3	287·6	22nd	275·2	271·4	8th	279·2	*278·6*	+1·6	3	− 23
422	Nantes	47 15	W 1 34	36·5	1014·2	1018·7	+ 0·5	282·1	285·0	30th, 31st	276·6	271·4	23rd	279·4	279·5	+2·0	81	+ 23
423	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·9	1018·2	− 0·2	281·2	287·8	11th	275·0	270·1	3rd	278·1	278·2	+2·9	70	+ 31
424	Marseille	43 18	5 23	75	..	1018·2	+ 1·2	285·8	291·3	13th	276·7	271·8	3rd	281·3	*281·3*	+2·0	61	+ 7
425	Zürich	47 23	8 33	493	960·5	1020·5	− 1·2	279·5	288·1	13th	273·3	268·8	24th	276·4	275·9	+4·4	80	+ 27
426	Rome	41 54	12 27	50·6	1011·9	1018·1	+ 0·7	285·4	290·2	6th	278·8	273·2	27th	282·1	*281·7*	+1·8	56	− 23
427	Vienna	48 15	16 22	293	992·4	1017·6	− 3·0	278·0	287·9	13th	273·9	269·0	26th	275·9	275·9	+5·1	77	+ 40
428	Budapest	47 31	19 2	130	1001·1	1017·2	− 3·8	278·9	288·1	14th	273·7	267·0	27th	276·3	*275·9*	+4·7	41	+ 3
429	Sofia	42 42	23 20	550	952·6	1019·7	− 1·4	278·2	288·8	14th	271·0	264·5	26th	274·6	*274·4*	+3·3	20	− 15
430	Bucharest	44 25	26 5	82	1008·2	1018·6	− 3·0	276·4	289·3	14th	270·4	262·0	30th	273·4	272·9	+3·4	39	+ 8
431	Odessa (University)	46 26	30 46	42·8	1011·5	1016·9	− 4·2	275·1	284·5	4th	270·0	257·6	26th	272·6	*272·4*	+2·6	36	+ 10
432	Kharkov (University)	50 0	36 14	140	999·9	1017·9	− 4·5	269·8	277·7	4th	265·0	252·4	31st	267·4	*267·2*	+2·0	32	− 2
433	Novorossiisk	44 44	37 49	37·1	1011·5	1016·1	− 3·8	280·0	288·1	4th	272·7	260·0	31st	276·4	*276·7*	+1·6	166	+ 96
434	Tiflis	41 43	44 48	404	970·8	1020·5	− 3·0	280·3	288·1	24th	269·1	265·6	1st	274·7	*275·0*	+1·8	25	+ 10
435	Astrakhan	46 21	48 2	− 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
436	Fort Alexandrovsk	44 31	50 16	− 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
437	Krasnovodsk	40 0	52 59	− 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
438	Aralskoe More	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
439	Tachkent	41 20	69 18	478	965·2	1023·9	− 2·4	280·9	291·7	18th	271·3	261·8	3rd	276·1	*275·2*	+3·4	28	− 23
440	Narynskoe	41 26	76 2	?2015	797·5	1031·2	..	..	273·6	15th	257·1	244·8	6th	..	*262·5*	+6·6	5	..
441	Vernyi	43 16	76 53	841	..	..	..	..	..	..	..	..	..	..	..	..	..	..
442	Moukden	41 48	123 23	43·8	1019·5	1025·3	− 2·6	268·6	276·5	5th	256·5	248·0	15th	262·5	262·2	+2·7	5	+ 1
443	Joshin	40 40	129 11	31·9	1015·5	1019·6	− 2·3	273·5	277·9	27th	264·4	255·2	15th	268·9	268·6	+1·9	16	− 9
444	Fuki	42 20	130 24	65·6	1011·3	1019·8	− 2·1	269·7	277·7	5th	262·3	253·7	15th	266·0	265·7	+2·2	3	− 2
445	Vladivostok	43 7	131 55	128	1003·1	1020·1	− 3·5	264·2	273·3	6th	257·5	250·7	14th	260·8	260·6	+1·3	16	+ 9
446	Oshiai	47 20	142 46	6·6	1009·2	1010·1	− 5·2	269·5	274·7	8th	259·5	238·5	4th	264·5	265·4	+6·3	102	+ 60
447	Nemuro	43 20	145 35	26·7	1005·0	1008·4	− 3·6	273·7	278·7	8th	268·5	262·4	4th	271·1	271·4	+3·3	90	+ 55
448	Syana	45 14	147 53	39·3	1002·2	1007·2	− 3·5	273·0	279·1	8th	268·4	261·5	21st	270·7	271·0	+3·4	194	+ 96
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 40° N. and 30° N.

JANUARY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
452	San Francisco	37 48	122 26	47·2	1014·5	1020·3	+ 0·6	287·9	294·1	18th	280·5	276·3	14th	284·2	*283·8*	+1·1	7	−118
453	San Luis Obispo	35 18	120 39	61·3	1012·4	1020·0	+ 0·4	291·4	301·9	17th	277·7	271·9	10th	284·6	*283·9*	−0·3	21	−119
454	San Diego	32 43	117 10	26·5	1015·0	1018·3	+ 0·1	289·5	297·4	17th	281·6	275·8	10th	285·6	*285·4*	+0·2	11	− 45
455	Modena	37 48	113 54	1670	836·4	1023·0	+ 2·7	277·4	286·9	29th	264·9	250·8	9th	271·2	*270·5*	+0·1	11	− 15
456	Santa Fé	35 41	105 57	2138	788·0	1021·0	+ 2·4	279·8	286·9	28th	268·3	256·9	9th	274·1	*273·2*	+2·1	8	− 10
457	Denver	39 45	105 0	1613	838·7	1021·3	+ 3·5	281·4	293·0	19th	269·1	257·4	8th	275·2	*274·8*	+3·4	16	+ 5
458	Abilene	32 23	99 40	530	960·3	1023·3	+ 3·7	283·9	296·3	18th	272·6	265·2	9th	278·2	*277·4*	−1·5	77	+ 58
459	Saint Louis	38 38	90 12	173	1003·4	1024·7	+ 4·4	274·8	285·8	30th	267·1	258·0	4th	271·0	*271·0*	−1·4	47	− 18
460	Mobile	30 41	88 2	17·4	1019·9	1022·0	+ 1·2	289·1	296·9	21st	280·9	269·7	5th	285·0	*285·0*	+2·1	297	+181
461	Nashville	36 10	86 47	166	1004·2	1024·7	+ 3·6	281·5	293·6	20th	271·8	262·4	3rd	276·7	*276·5*	+0·2	187	+ 68
462	Charleston	32 47	79 56	14·6	1021·1	1022·7	+ 1·6	287·9	297·4	22nd	279·2	265·2	5th	283·6	*283·1*	+0·5	41	− 41
463	Washington	38 54	77 3	34·1	1019·0	1023·3	+ 3·1	275·0	288·0	30th	267·3	260·2	3rd	271·2	*271·0*	−2·5	58	− 28
464	Bermuda	32 17	64 46	46·0	1015·7	1021·2	+ 1·5	293·0	296·3	22nd	288·0	283·0	5th, 6th	290·5	*289·9*	−0·4	103	− 8
465	Santa Cruz (Flores)	39 27	31 9	28	1023·6	1026·7	+ 5·9	290·5	292·6	17th	285·8	280·6	27th	288·1	*288·3*	+0·9	60	−160
466	Horta	38 32	28 38	65	1020·3	1027·5	+ 5·9	290·5	292·7	6th	286·7	282·4	28th	288·6	288·5	+0·8	54	− 65
467	Ponta Delgada	37 44	25 40	22	1026·4	1028·3	+ 6·3	289·6	291·4	1st	286·5	283·1	24th	288·0	288·2	+0·8	..	..
468	Feja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	96	− 18
469	Madeira (Funchal)	32 37	16 54	25	‡1024·7	‡1027·7	+ 5·9	291·9	295·4	25th	286·2	284·4	16th	289·1	*288·9*	+0·7	47	− 40
470	Lisbon	38 43	9 9	95	1014·0	1025·6	+ 4·3	286·4	289·6	22nd	281·7	277·4	6th, 15th	284·1	*284·1*	+0·8	30	− 64
471	Gibraltar	36 6	5 21	16·2	1022·9	1024·9	+ 3·7	288·4	292·1	28th	281·6	277·9	8th	285·0	*285·2*	−0·7	25	−104
472	Melilla	35 18	2 59	8	1024·5	1025·5	+ 5·1	289·1	292·6	29th	280·1	278·2	9th	284·6	*286·4*	−1·7	50	− 43
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

JANUARY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1018·1	1020·9	+ 1·6	286·8	290·8	1st	278·3	275·8	18th, 19th	282·5	..	—1·0	22	— 21
538	Algiers (Bouzaréah)	36 48	3 2	343	981·6	1022·6	+ 2·6	286·1	290·6	19th	281·2	278·1	6th	283·6	283·4	+0·8	38	— 04
539	Tunis	36 48	10 10	21	1017·9	1020·4	..	288·4	292·4	18th	280·6	275·8	25th	284·5	*284·3*	+2·2	31	— 22
539a	Malta	35 54	14 31	56·4	..	1018·9	+ 1·3	288·2	293·0	8th	284·1	281·3	21st	286·1	*285·7*	+0·2	9	— 73
540	Riposto	37 41	15 14	14·2	..	1020·2	+ 1·2	287·4	289·9	7th	282·0	279·4	26th	284·7	*284·5*	+0·3	9	— 90
541	Athens	37 58	23 43	107	1004·2	1017·2	— 0·8	286·3	292·3	13th	279·8	273·4	17th	283·0	283·2	+2·0	28	— 27
542	Alexandria	31 12	29 53	32·0	1015·0	1018·9	+ 0·8	291·9	294·7	2, 5, 12	284·1	279·9	25th	288·0	*287·6*	+0·6	35	— 19
543	Cairo (Helwan)	29 52	31 20	116	1005·5	1019·5	+ 0·7	291·7	294·9	4th, 9th	281·3	276·5	18th	286·5	286·3	+0·4	2	— 5
544	Nicosia (P.W.D.)	35 9	33 22	159	998·0	1017·0	— 0·2	287·4	291·3	4th, 6th	277·7	273·6	31st	282·6	..	+0·5	42	+ 24
544a	Beirut	33 54	35 28	33·7	..	1017·2	— 0·6	289·1	292·4	4th	284·2	280·2	19th, 20th	286·6	*286·4*	+0·3	279	+ 88
545	Baghdad	33 21	44 28	38·1	..	1020·0	— 1·0	287·8	292·0	25th	277·6	274·1	29th	282·7	*281·3*	+0·3	2	— 27
546	Lenkoran	38 46	48 52	—20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Tehran	35 41	51 25	1220	..	..	..	281·5	285·5	17th	272·6	270·2	10th, 11th	277·1	*276·7*	+2·4	43	+ 29
548	Meshed	36 16	59 35	946	..	..	..	282·1	290·7	19th	270·2	260·5	3rd	276·2	..	+2·6	47	
549	Seistan	31 0	61 30	?	..	..	..	288·4	293·6	20th	275·0	271·4	6th	281·7	..	..	12	— 26
550	Quetta	30 11	67 3	1677	835·5	..	+ 0·6	285·3	289·7	21st, 29th	270·3	266·2	26th	277·8	*277·4*	+0·5	23	+ 3
551	Peshawar	34 2	71 37	339	980·8	1022·0	+ 1·0	289·1	292·0	3rd	277·4	274·5	17th	283·2	*282·1*	—0·5	78	+ 36
551a	Lahore	31 34	74 20	214	993·6	1019·7	+ 1·1	292·3	294·7	8th	278·9	275·6	10th	285·6	*284·8*	+0·1	31	— 36
552	Simla	31 7	77 8	2205	783·2	..	+ 2·4	283·8	288·6	11th	277·8	274·7	26th	280·8	*280·4*	+3·2	41	+ 4
552a	Leh	34 10	77 42	3503	667·9	..	+ 3·6	273·5	279·9	25th	261·1	257·3	20th	267·3	*266·2*	+1·3	14	
559	Hankow	30 35	114 17	37·0	1022·2	1026·8	— 1·4	283·7	292·7	22nd	274·3	267·5	13th	279·0	*278·6*	+1·5	76	+ 37
560	Tientsin	39 10	117 10	5·0	1025·3	1026·0	— 2·8	274·9	281·7	26th	264·9	259·1	13th	269·9	*269·8*	+1·2	4	— 1
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1025·0	— 1·5	282·2	292·0	23rd	270·2	262·8	15th	276·2	275·6	—0·6	28	+ 15
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1014·2	1023·0	— 1·8	272·1	279·5	10th	264·1	256·6	4th	268·1	267·6	—1·8	88	+ 30
562a	Nagasaki	32 44	129 52	133	1004·1	1020·5	— 1·4	282·1	288·2	28th	275·2	270·6	23rd	278·6	278·3	—0·5	92	+ 36
563	Kyoto	35 1	135 44	42·9	1012·7	1018·1	— 0·8	282·6	288·2	11th	272·3	269·6	23rd	277·5	276·3	+0·8	63	+ 6
564	Tokyo	35 41	139 45	21·3	1011·0	1013·6	— 2·7	283·1	288·9	13th	272·0	268·7	17th	277·5	277·1	+1·0	110	+ 128
565	Kanayama	37 53	140 46	24·6	1009·7	1012·7	— 3·7	280·2	286·9	13th	271·1	264·9	5th	275·7	275·5	+1·8	199	
566	Miyako	39 38	141 59	30·4	1007·3	1011·1	— 3·9	280·1	285·7	13th	270·4	263·7	5th	275·3	274·3	+2·0		
		N.	E.															

JANUARY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
601	Midway Island	28 15	177 22	5·8	..	1013·9	— 2·0	292·6	296·9	4th	286·7	281·3	10th	289·6	*289·2*	..	38	..
605	Honolulu	21 19	157 52	11·6	1011·7	1013·0	— 2·9	297·9	299·1	..	292·3	288·6	..	295·1	*294·9*	+0·6	100	+ 5
614	La Paz	24 10	110 20	12	1014·1	1015·5	..	..	..	..	..	..	..	..	‡*291·3*	..	42	..
615	Chihuahua	28 38	106 4	1423	861·7	1021·1	..	288·5	295·5	1st	275·4	266·7	8th	281·9	*281·7*	..	8	— 5
616	Leon	21 7	101 41	1809	822·7	1015·2	+ 0·9	294·7	301·3	1st	281·5	271·9	29th	288·1	..	+1·3	0	— 4
616a	Monterry	25 40	100 18	528	958·7	1020·3	..	291·9	300·8	16th	279·6	272·7	9th	285·7	*285·4*	..	14	— 9
617	Tulancingo	20 5	98 22	2180	793·3	..	..	..	294·0	..	..	268·0	..	..	287·0	+2·3	12	+ 9
618	Galveston	29 18	94 50	16·5	1020·1	1022·0	+ 1·6	288·4	295·8	21st	281·9	274·7	9th	285·2	*285·1*	+0·6	180	+ 32
618a	New Orleans	29 57	90 4	16·2	..	1022·0	+ 1·6	290·2	300·2	21st	282·5	271·3	5th	286·3	*286·4*	+1·7	144	
619	Merida, Yuc.	20 58	89 38	22	1015·3	1017·8	..	301·4	304·4	21, 22, 24	291·8	287·2	1st	296·6	*296·0*	..	15	— 49
620	Havana	23 8	82 21	24·3	..	1020·2	+ 1·7	298·9	302·6	25th	291·7	288·1	6th	295·3	295·1	+0·6	10	— 44
620a	Key West	24 33	81 48	6·7	1019·6	1020·3	+ 1·1	297·3	300·8	25th	292·1	284·1	5th	294·7	*293·8*	+0·4	2	— 44
621	Nassau, Bahamas	25 5	77 21	3·7	..	‡1018·8	— 0·6	296·3	298·0	27, 28, 29	291·9	287·4	5th	294·1	*294·0*	—1·0	11	— 44
622	Watling Island	24 6	74 26	33·5	1016·9	1020·8	+ 2·7	..	301·3	2nd	..	291·3	6th	..	*296·8*	..	..	
633	Izaña	28 19	16 30	2367	770·1	..	..	279·1	283·7	1st	272·9	268·8	18th	276·0	*275·5*	..	56	— 44
634	La Laguna	28 28	W16 20	547	957·5	1021·8	+ 1·8	289·0	293·7	28th	282·6	278·9	29th	285·8	*285·3*	+0·5	60	
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	—23	..	..	..	..	..	..	..	..	..	..	..	..	3	..
642															‡*283·0*	..		
643	Aswan	24 2	32 53	99·6	1006·3	1018·2	+ 0·4	295·5	300·6	7th, 8th	281·3	276·2	20th	288·4	*287·5*	—0·5	..	..
644	Tor	28 14	33 37	1·9	1017·8	1017·9	+ 0·6	293·2	296·9	24th	281·0	278·1	10th	287·1	*286·4*	—0·5	0	
647	Bushire	28 59	50 53	4·3	1018·8	1019·4	+ 0·6	291·2	298·1	19th	284·1	281·2	31st	287·7	*287·5*	+0·3	118	+ 51
648	Jask	25 44	57 47	4·0	1018·1	1018·6	+ 0·8	296·5	298·2	19th	287·2	283·4	11th	291·9	*291·7*	—0·7	53	+ 3
649	Karachi	24 53	66 57	4·0	1018·3	1018·7	+ 0·9	297·6	300·6	19th	287·3	283·9	26th	292·4	*292·2*	—0·1	3	— 13
650	Jacobabad	28 17	68 29	56·7	1012·8	1019·8	+ 1·2	295·8	298·6	18th, 30th	279·7	277·1	27th	287·7	*287·0*	+0·2	2	+ 5
651	Jaipur	26 56	75 52	436	969·0	1020·4	+ 1·5	296·4	299·9	31st	281·6	277·0	1st	289·0	*288·6*	+0·1	25	+ 19
652	Nagpur	21 8	79 5	310	982·2	1018·3	+ 1·3	300·9	304·1	31st	286·8	282·3	2nd	293·9	*293·5*	—0·1	10	+ 15
653	Allahabad	25 25	81 51	94·1	1008·6	1019·9	?+ 2·3	296·9	300·2	26th	281·5	278·4	2nd	289·2	*288·3*	+0·1	0	— 15
653a	Darjeeling	27 3	88 18	2266	777·6	..	+ 1·2	283·7	289·2	23rd	276·2	273·9	29th	279·9	*279·5*	+2·2	0	— 7
654	Calcutta	22 36	88 23	6·4	1016·6	1017·3	+ 0·5	298·6	300·6	27th, 31st	286·7	283·8	2nd	292·6	*292·3*	+0·8	0	— 14
655	Gauhati	26 8	91 41	59·7	1011·4	1018·6	+ 0·7	297·3	299·1	22nd	284·5	281·5	29th	290·9	*290·2*	+1·3	16	+ 14
655m	Cherrapunji	25 15	91 42	1314	871·5	..	+ 1·1	289·9	293·9	24th	281·6	278·2	28th	285·7	*285·0*	+1·3	0	+ 2
655a	Akyab	20 11	92 56	6·1	1014·8	1015·4	+ 0·2	299·1	301·3	27th	289·0	284·6	29th, 30th	294·0	*293·5*	—0·2	0	+ 0
659	Mandalay	21 59	96 0	76·2	1008·0	1016·9	+ 1·1	302·6	305·2	27th	288·9	285·9	29th	295·8	*295·1*	+1·5	8	+ 10
656a	Tengyueh	24 59	98 35	1633	836 0	1015·4	..	289·4	294·1	23rd	275·4	270·8	31st	282·4	*281·4*	..	8	— 25
657	Phu Lien	20 48	106 38	116	1006·1	1020·0	+ 2·0	294·3	300·0	31st	285·0	281·7	6th	290·1	289·4	—0·9	3	— 23
658	Moncay	21 31	107 51	9·0	1019·2	1020·4	+ 1·5	293·7	298·7	30th	282·7	275·6	6th	288·2	*290·4*	—1·4	2	— 3
659	Hongkong	22 18	114 10	33·2	..	1020·5	+ 0·7	291·3	296·7	31st	285·4	280·3	5th	288·3	288·1	—0·3	1	— 6
660	Amoy	24 27	118 4	ca.3	1022·4	1022·8	0·0	290·7	296·3	28th, 29th	282·4	278·0	5th	286·6	*286·3*	—1·2	1	— 70
661	Taihoku, Formosa	25 2	121 31	9·3	1020·7	1021·8	+ 0·7	292·4	301·9	27th	282·9	275·8	22nd	287·6	287·2	—1·0	27	— 66
661a	Basco	20 28	121 59	18·7	1013·3	1015·7	+ 0·5	296·8	306·0	16th	291·3	288·8	15th	294·1	*294·1*	—1·2	105	— 43
662	Naha	26 13	127 41	10·5	1019·3	1020·6	+ 0·6	292·5	299·0	28th	284·7	280·7	26th	288·6	288·2	—0·9	95	+ 10
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1016·8	1017·3	— 0·3	293·4	297·0	13th	287·6	281·8	28th	290·5	290·6	—0·1	134	— 70
		N.	E.															

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

JANUARY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
705	Colima	19 12	103 45	509	957·1	1012·7	..	302·0	304·4	23rd	293·0	289·6	27th	297·5	*297·0*	..	2	..
706	Morelia	19 42	101 7	1923	810·3	1011·8	..	292·0	294·3	21st	..	..	..	..	*287·5*	..	0	..
707	Mexico, Tacubaya	19 24	99 12	2309	775·7	1016·0	+ 0·5	293·6	298·4	16th	276·3	271·0	29th	285·0	284·1	—0·6	6	— 3
708	Salina Cruz	16 12	95 12	56	1007·8	1014·3	..	..	304·5	21st	..	..	..	..	‡*297·2*	..	2	..
709	San Salvador	13 42	89 13	682	935·7	1011·2	— 0·4	307·8	309·8	2nd, 3rd	288·2	284·4	6th	298·0	*295·8*	+0·7	1	— 6
710	Belize	17 29	88 12	5·2	1016·9	1017·5	+ 1·6	300·1	301·9	10th	292·6	288·8	1st	296·3	*295·8*	—0·6	96	— 68
711	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·6	+ 1·0	302·9	305·4	21st	293·3	290·2	13th	298·1	*297·5*	+0·5	33	— 1
712	Port au Prince	18 34	72 22	37·4	1012·6	1016·9	+ 1·2	304·8	306·9	27th	293·4	291·2	12th	299·1	*300·0*	+0·9	13	— 18
713	Caracas	10 30	66 55	1042	900·4	1017·1	+ 1·3	297·6	300·0	4th	285·9	281·8	13th	291·7	*290·4*	—0·9	2	— 21
714	Montserrat	16 41	62 9	39·6	1011·3	1015·8	— 0·4	301·1	?303·0	7th	294·1	?289·7	6th	297·6	*297·1*	..	132	..
715	Grenada (Richmond Hill)	12 5	61 46	155	995·6	1013·5	+ 0·2	301·1	304·1	12th	295·2	293·6	21, 22, 23	298·1	*297·7*	+0·1	123	+ 10
716	Barbados	13 8	59 36	55·2	..	1014·6	+ 0·3	300·8	301·6	1st, 3rd	294·3	293·0	28th	297·6	*296·7*	+0·1	78	— 8
717	São Vicente, C. Verde Is.	16 54	25 4	11	1015·3	1016·6	+ 1·5	295·1	295·8	11th, 15th	..	..	..	..	*293·9*	—0·8	40	+ 36
718	San Tiago, C. Verde Is.	14 54	23 31	?40	..	..	..	298·3	301·8	2nd, 5th	292·1	290·6	21st	295·2	*294·9*	—0·1	7	+ 4
719	Bathurst	13 27	16 36	1·8	1013·7	1013·9	+ 1·5	301·2	305·2	30th	..	..	..	..	..	..	0	0
720	M'Carthy Island	13 33	14 45	1·1	..	..	..	304·9	308·6	5th	290·1	283·0	3rd	297·5	..	—1·0	0	— 1
721	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
722	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
723	Sokoto	13 2	E 5 14	353	..	..	..	303·4	309·1	8th	287·6	283·6	22nd	295·5	*295·2*	—1·0	0	0
724	Kaduna Capital	10 32	7 25	637	944·6	1017·1	+ 3·0	303·6	308·6	7th	286·8	285·2	2nd, 30th	295·2	*294·9*	—0·8	0	0
725	Hadeija	12 40	10 5	?	..	..	..	304·1	310·2	6th, 7th	282·8	278·6	19th, 20th	293·5	*293·2*	—1·9	0	..
726	Maiduguri	11 47	13 11	361	..	..	..	305·3	312·4	6th	285·4	283·0	20th	295·4	*295·1*	—1·0	0	0
727	El Fasher	13 32	25 18	730	..	..	..	303·0	308·2	6th	281·7	279·0	sev. dates	292·4	*290·6*	..	0	..
728	El Obeid	13 11	30 14	569	..	..	..	301·9	305·5	24th	283·9	280·0	20th, 30th	292·9	*291·9*	—0·7	0	0
729	Khartoum	15 37	32 33	390	968·6	1013·0	+ 0·2	301·7	305·5	24th	287·3	281·0	21st	294·5	*294·7*	—0·8	0	0
730	Port Sudan	19 37	37 13	5·5	1013·4	1014·0	— 0·8	299·5	301·0	sev. dates	292·3	286·8	20th	295·9	*295·6*	—0·3	1	— 10
731	Berbera, Somaliland	10 22	45 2	9·5	1015·1	1016·1	+ 0·3	303·8	305·8	3, 14, 31	292·6	289·7	7th, 12th	298·2	*298·7*	+1·2	0	— 3
732	Aden	12 45	45 3	28·7	1012·4	1015·8	— 0·6	299·3	300·7	22nd	295·7	292·9	12th, 13th	297·5	*296·9*	—0·1	0	— 9
733	Bombay	18 54	72 49	11·3	1013·4	1014·7	— 0·5	302·2	304·2	29th	295·2	293·0	20th	298·7	*298·2*	+1·6	25	+ 23
734	Cochin	10 58	76 21	2·7	1013·0	1013·4	— 0·1	304·8	306·6	8th	295·8	293·6	22nd	300·3	*299·9*	+0·3	11	— 4
735	Kodaikanal	10 14	77 28	2343	771·7	..	— 0·3	289·3	292·8	27th	280·7	277·6	23rd	285·0	*285·1*	—0·8	223	+161
736	Bangalore	12 59	77 38	920	913·3	1015·4	0·0	299·3	302·2	26th	287·9	283·8	14th	293·6	*293·1*	+0·4	11	+ 5
737	Madras	13 4	80 14	6·7	1014·4	1015·1	— 0·3	301·9	303·7	18th	294·0	290·3	18th	297·9	*297·6*	+0·6	180	+151
738	Vizagapatam	17 42	83 19	11·6	1014·9	1016·2	+ 0·1	299·9	301·1	29th	293·7	290·9	15th	296·8	*296·4*	—0·4	0	— 13
739	Port Blair	11 40	92 40	17·7	1011·1	1013·1	— 0·3	302·3	303·6	20th	297·7	294·8	7th, 9th	300·0	*299·6*	—0·2	122	+ 81
740	Rangoon	16 46	95 48	5·5	1014·8	1015·5	+ 1·0	303·7	305·9	27th	291·6	289·1	31st	297·7	*296·6*	—0·3	0	— 6
741	Saigon	10 47	106 42	11·2	..	..	..	302·9	305·4	19th	293·2	290·2	15th	298·1	*297·5*	—1·1	10	— 6
742	Cap St. Jacques	10 20	107 5	180	991·5	1012·2	+ 0·4	..	..	..	..	..	..	..	..	..	..	..
743	Nhatrang	12 15	109 12	3·6	1014·8	1015·2	+ 0·9	299·9	303·6	30th	292·6	289·1	26th	296·2	*295·7*	—1·4	3	— 59
744	Bolinao	16 24	119 53	7·1	1009·8	1010·7	— 0·9	303·3	305·2	18th	294·6	291·0	1st	298·9	*298·2*	—0·7	5	— 6
745	Vigan	17 34	120 23	12·2	..	1012·2	— 0·4	303·2	306·2	3rd	293·8	291·6	21st	298·5	*298·1*	—0·3	1	0
746	Manila	14 35	120 59	14·2	..	1012·6	+ 0·4	302·9	305·3	29th	293·4	289·5	24th	298·1	*297·3*	—0·5	2	— 19
747	Ormoc	11 0	124 36	5·6	1009·3	1010·0	0·0	304·0	305·8	31st	294·7	292·0	27th	299·3	*298·7*	+0·6	128	— 73
748	Guam, Ladrone Is.	13 24	144 38	12·5	1007·2	1008·7	— 1·0	302·1	303·4	26th	297·1	294·0	25th	299·6	*299·1*	+0·1	42	— 20
		N.	E.															

Between Latitude 10° N. and 0°.

JANUARY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
753	Fanning Island	3 55	159 23	3·1	..	..	..	305·0	307·4	21st	297·8	296·9	sev. dates.	301·4	*300·9*	+1·6	80	—204
754	Colon	9 23	79 23	11·0	..	1011·7	0·0	302·9	303·6	9th	298·2	295·8	26th	300·6	*300·2*	+1·1	13	— 85
755	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	28	— 29
756	Merida, Venez.	8 36	71 9	1641	‡842·2	..	..	295·6	297·5	26th	286·7	284·5	13th	291·2	*290·3*	..	68	..
757	El Peru, Guayanavieja	7 19	61 49	220	? 985·4	?1010·5	— 0·5	..	..	..	..	..	..	..	‡*295·9*	+1·2	139	+ 39
758	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·8	+ 1·0	301·9	302·4	sev. dates	296·8	295·2	3, 9, 23	299·3	*298·9*	+0·2	417	+224
759	Paramaribo	5 49	55 9	3·7	‡1013·6	‡1014·0	+ 1·1	301·6	303·7	24th	295·5	294·0	13th	298·5	*297·6*	—0·2	255	+ 31
760	Cayenne	4 56	52 21	6	..	..	..	302·8	304·0	5th, 26th	295·4	293·6	10th	299·1	*297·2*	—0·1	404	+ 39
761	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
762	Freetown, Sierra Leone	8 29	13 9	68·3	1003·9	1011·8	+ 1·0	304·5	306·3	9th, 23rd	296·3	293·6	11th, 12th	300·4	*299·5*	0·0	0	— 10
763	Cape Coast	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	1	— 22
764	Accra	5 33	W 0 12	25·7	..	..	..	303·1	..	..	296·7	..	..	299·9	*299·5*	+0·4	1	— 16
765	Lagos	6 27	E 3 24	4·6	1011·0	1011·5	— 0·2	303·8	304·9	..	296·7	293·7	..	300·3	*299·8*	+0·1	9	— 18
766	Zungeru	9 48	6 10	130	..	..	..	307·5	311·3	12th	291·7	289·1	4, 5, 25	299·6	*299·3*	—0·3	0	— 1
767	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
768	Yola	9 12	12 30	259	..	..	..	306·8	311·3	8th	..	..	..	..	‡*297·1*	—1·7	0	0
769	Wau	7 42	28 3	440	..	..	..	308·7	312·0	11, 13, 24	290·2	287·5	21st	299·4	*297·9*	—0·6	0	— 1
770	Malakal (Kodok)	9 35	31 37	394	965·1	1009·2	+ 0·2	308·2	312·0	24th	291·2	288·0	1st, 20th	299·7	*298·3*	..	0	0
771	Mongalla	5 11	31 47	439	959·0	1007·9	+ 0·6	309·7	312·0	23rd	..	..	..	..	‡*299·4*	..	0	— 2
772	Entebbe	0 5	32 29	1171	883·4	1009·3	+ 0·1	299·8	302·4	15th	289·9	288·6	5th, 13th	294·9	*294·6*	—0·3	61	— 5
773	Minicoy	8 17	72 49	2·1	1013·5	1013·7	+ 0·6	..	..	..	..	..	..	..	..	..	83	+ 39
774	Colombo Observatory	6 54	79 53	7·3	..	1011·4	0·0	303·2	305·9	29th	295·1	292·3	30th	299·1	*298·7*	—0·1	21	— 68
775	Nuwara Elija	6 59	80 47	1886	813·9	1013·9	..	293·1	295·5	9th, 27th	285·1	275·9	27th	287·1	*286·2*	+0·2	97	— 44

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	304·0	308·0	5th	296·3	294·8	25th	300·2	*299·2*	−0·5	230	+ 14
926	Taperinha	2 30	54 20	20·0	1008·4	1010·6	— 0·1	302·5	305·0	8th	295·6	294·4	4th	299·0	*298·4*	+0·3	174	−174
927	Turyassu	1 43	45 26	15·1	1008·6	1010·4	— 0·2	305·9	308·5	3rd	296·4	294·4	5th	301·2	*300·2*	+1·1	54	— 32
928	Barra do Corda	5 30	45 16	81·0	999·9	1009·3	— 0·7	..	..	..	294·9	293·2	5th	..	*298·4*	0·0	160	— 74
929	Quixeramobim	5 16	39 15	207	987·7	1010·7	+ 0·2	306·8	307·8	31st	298·7	298·2	4th	302·8	*301·8*	+0·7	2	— 53
930	Fernando Noronha	3 50	W32 25	106	1000·0	1011·8	+ 0·2	301·3	302·2	21st	297·3	295·9	27th	299·3	*298·7*	..	11	
939	Loanda	8 49	E 13 13	59·3	..	1011·5	+ 0·6	301·0	302·3	11th, 25th	296·9	295·0	24th	298·9	298·9	+0·8	28	+ 1
940	Brazzaville	4 17	15 16	320	975·6	1011·4	0·0	306·4	308·0	sev. dates	295·2	293·0	14th, 15th	300·8	*300·1*	+1·8	44	— 65
943	Masaka	0 21	31 47	?1280	..	..	..	299·7	301·9	13, 24, 28	289·4	288·0	1st, 2nd	294·5	*293·5*	+0·4	40	— 11
944	Nairobi	1 14	36 44	1800	..	..	..	298·6	301·9	30th	..	..	..	..	‡*290·9*	−0·4	44	0
944*a*	Zanzibar	6 10	39 11	21·9	1010·9	1013·3	+ 0·3	303·4	304·6	31st	299·8	298·2	5th	301·6	*301·0*	+0·4	0	— 78
945	Lamu	2 16	40 50	3·1	..	..	..	303·0	303·6	5th, 27th	299·1	298·6	1st, 29th	301·1	*300·8*	+0·8	0	— 1
947	Seychelles, Port Office	4 37	55 27	4·6	1011·2	1011·7	+ 0·4	301·3	302·5	..	298·6	297·1	..	299·9	*299·3*	+0·4	798	+ 367
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	212	−133
958	Batavia	6 11	106 50	8·0	1009·3	1010·2	+ 0·3	301·4	304·8	28th	296·2	295·1	31st	298·8	298·3	−0·2	470	+145
958*a*	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	311	+ 38
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	562	+370
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	629	+105
962	Amboina	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	74	— 59
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	150	−113
965	Daru	9 4	143 13	7·6	..	1009·7	+ 0·9	302·5	..	..	..	..	..	..	..	..	171	−187
966	Port Moresby	9 29	147 9	39·0	..	1009·2	+ 1·0	305·8	..	..	298·4	..	..	302·1	*301·6*	+1·2	108	— 80
967																		
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	259	−214
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·4	1007·7	+ 0·8	305·6	308·6	3rd	297·8	296·9	6th	301·7	*301·5*	+10·8	177	−167
970	Ocean Island	0 52 S.	169 35 E.	54·0	1000·1	1006·3	— 0·9	303·1	304·7	31st	297·4	295·2	5th	300·3	*299·7*	−0·7	317	— 10

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1006·0	— 1·9	303·2	304·5	24th	296·9	293·3	14th	300·0	300·5	+1·4	339	+ 66
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	303·6	306·9	14th	295·7	292·4	25th	299·7	*299·5*	+0·1	310	+ 2
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	760·9	..	+ 0·2	292·1	294·1	2nd	283·6	282·4	23rd	287·8	*287·3*	+0·1	82	+ 51
1022	Puerto de Arica	18 28	70 20	5	..	..	..	298·6	299·4	sev. dates	292·7	292·0	6th, 7th	295·7	..	+1·5	0	— 82
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	729·3	..	..	291·1	295·0	10th	281·7	277·5	22nd	286·4	*286·4*	..	100	— 61
1025	Corumba	18 59	57 39	116	995·5	1008·6	+ 0·3	305·2	308·4	7th	295·1	292·4	21st	300·2	*299·2*	−0·8	183	+ 17
1026	Cuyaba	15 36	56 6	165	990·1	1008·6	+ 0·4	304·8	308·5	6th	295·5	294·0	21st, 22nd	300·2	*299·6*	−0·5	184	+ 57
1027	Bello Horizonte	19 55	43 57	857	917·1	1011·5	— 0·9	299·7	304·6	5th	291·0	288·4	17th	295·3	*294·6*	−0·2	438	+ 57
1028	Caetite	14 3	42 37	900	914·7	1012·5	+ 0·7	301·4	305·3	6th	291·7	290·2	1st, 8th	296·6	*296·8*	+0·6	122	— 71
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·7	1012·0	— 0·5	302·4	306·9	15th	296·3	294·5	16th	299·4	*298·8*	+0·2	71	— 77
1030	Aracaju	10 54	37 3	4·0	1013·1	1013·5	+ 0·7	302·4	303·2	30th	295·5	294·0	15th	298·9	*299·9*	0·0	18	
1035	St Helena	15 57	W 5 40	‡579	944·7	1010·7	+ 0·3	297·1	300·8	24th	287·3	285·3	6th	292·2	*291·8*	+1·2	28	— 46
1039	Mossamedes	15 11	E 12 10	12·5	..	..	..	..	..	..	..	..	..	..	..	..	..	
1042	Gwelo	19 28	29 48	1417	859·4	1008·9	— 0·7	301·6	307·4	5th	289·4	285·2	4th	295·5	..	+1·3	266	+188
1043	Salisbury, Rhodesia	17 48	31 5	1457	853·2	1007·0	— 2·2	300·8	306·3	5, 6, 8	289·3	286·9	1st	295·1	*294·1*	+1·2	116	— 8
1044	Zomba	15 23	35 18	996	903·7	1011·6	— 2·9	302·2	305·2	3, 6, 25	291·5	289·7	7th, 19th	296·8	*296·5*	+1·1	239	— 79
1045	Antananarivo	18 55	47 32	1400	862·7	1012·5	+ 0·2	298·9	301·0	21st	289·4	287·4	6th	294·2	*293·0*	+0·1	381	
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	
1055	Cocos Keeling Is.	12 5	96 53	4·6	1010·2	1010·8	— 0·7	303·0	304·7	15th, 16th	297·7	296·3	15th, 24th	300·3	*299·9*	−0·1	225	— 7
1057	Christmas Island	10 25	105 43	5·5	1006·9	1007·5	— 0·3	303·5	305·8	..	297·1	295·8	..	300·3	*299·6*	−0·1	226	— 86
1061	Kupang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	241	— 87
1061*a*	Derby	17 18	123 40	10·2	1004·9	1006·7	— 0·2	307·6	313·0	5th	299·4	295·9	28th	303·5	..	+0·2	149	— 95
1062	Hall's Creek	18 13	127 46	374	964·8	1005·4	— 1·0	310·2	315·0	8th	296·8	293·4	24th, 29th	303·5	*303·0*	+0·2	45	+ 9
1063	Darwin	12 28	130 51	29·6	1002·3	1005·6	— 0·4	304·9	309·1	4th	298·3	295·8	19th	301·6	*300·6*	−0·2	499	+ 52
1064	Daly Waters	16 16	133 23	211	978·8	1002·0	— 2·9	308·6	316·3	3, 5, 8	297·0	289·7	30th	302·8	*302·3*	−0·5	194	+ 22
1065	Mein	13 13	142 47	122	992·6	1006·3	+ 0·7	305·1	310·2	9th	296·3	294·7	29th, 30th	300·7	..	+0·1	352	+ 80
1066	Georgetown, Queensland	18 22	143 32	302	973·5	1007·0	+ 0·4	305·2	310·2	10th	296·1	292·6	5th	300·7	..	−0·4	533	+ 51
1067	Samarai	10 37	150 40	15·2	..	..	..	303·9	..	..	298·6	..	..	301·3	*301·1*	+0·5	89	— 139
1072	Suva, Fiji	18 8 S.	178 26 E.	17·7	1006·4	1008·4	— 0·5	302·3	304·2	27th	295·9	293·7	7th	299·1	*298·9*	−0·5	133	— 30
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1122	Punta Tortuga, Coquimbo	29 56	71 21	27	1010·8	1014·0	— 0·5	293·9	297·5	21st	288·9	287·0	2nd	291·4	*291·0*	+1·3	0	0
1123	Iquique	20 12	70 11	9	1011·4	1012·4	— 1·2	297·3	300·1	22nd	292·7	290·4	7th	295·0	*294·6*	+0·5	0	0
1124	Catamarca	28 27	65 47	510	946·8	1002·3	— 3·4	309·3	316·3	27th	295·2	289·5	25th	302·3	301·9	+1·4	63	— 10
1125	Salta	24 46	65 28	1178	880·9	1007·9	— 0·4	301·7	306·5	29th	290·9	287·0	22nd, 23rd	296·3	295·9	+1·0	237	+ 92
1126	Goya	29 9	59 15	26	1005·6	1008·6	— 0·2	306·4	311·8	29th	294·3	288·5	24th	300·3	299·7	+0·9	141	+ 29
1127	Asuncion	25 21	57 37	95	‡999·7	‡1010·5	— 0·4	308·6	314·0	28th	294·3	291·0	25th	301·5	299·9	0·0	309	+163
1128	Curityba	25 25	49 17	908	911·8	1011·3	— 1·7	301·1	305·9	11th	287·7	283·0	15th	294·4	*293·2*	0·0	101	— 72
1129	Rio de Janeiro	22 54	W43 10	61·4	1003·7	1012·4	— 0·3	301·7	306·6	1st, 3rd	296·2	293·6	29th	299·0	298·5	+0·3	51	— 77
1140	Windhoek	22 35	E17 5	1680	..	..	..	304·6	306·3	23rd	291·1	288·3	1st	297·9	*297·9*	+1·4	17	— 76
1141	Kimberley	28 42	24 47	1202	878·8	1005·8	— 0·7	306·7	311·3	4th	290·4	286·9	3rd, 29th	298·6	298·6	+1·4	84	+ 22
1142	Johannesburg	26 11	28 4	1806	822·4	1010·6	— 0·1	298·9	305·3	5th	286·4	284·7	18th	292·7	*292·2*	+0·5	131	— 26
1143	Pretoria (Brooklyn)	25 46	28 13	1400	860·9	1009·5	— 0·2	301·7	307·4	5th	288·6	286·3	11th	295·1	*294·6*	+0·2	235	..
1144	Bulawayo	20 9	28 35	1340	866·1	1008·5	— 0·4	301·3	307·1	5th	289·6	286·9	3rd	295·4	*294·9*	+0·5	216	+ 66
1145	Durban	29 52	31 3	15·2	1012·5	1014·2	— 0·5	301·2	303·6	13th	294·6	292·1	14th	297·9	*297·5*	+0·6	242	+126
1147	Lourenço Marques	25 58	32 36	59	..	1011·8	— 0·4	303·2	305·5	19th	295·3	292·9	18th, 19th	299·3	299·0	+0·3	233	+ 95
1159	Mauritius	20 6	57 33	55·2	1004·1	1010·4	— 1·5	303·6	305·9	20th	295·3	290·8	15th	299·5	299·0	0·0	180	— 17
1160	Onslow	21 43	114 57	4·3	1004·7	1005·6	— 0·4	310·2	315·8	14th	297·3	295·3	5th	303·8	..	+0·9	12	— 12
1161	Peak Hill	25 38	118 47	588	941·9	1005·6	+ 0·2	310·6	313·6	13th	296·2	289·7	10th	303·4	..	−0·3	7	— 35
1162	Nullagine	21 53	120 5	386	963·6	1005·1	— 0·2	312·4	315·1	14th	298·4	296·0	26th	305·4	..	+0·6	9	— 71
1163	Laverton	28 40	122 23	466	959·7	1011·0	+ 1·4	307·4	314·1	13th	292·5	287·9	17th	299·9	*299·6*	−1·4	7	— 19
1164	Alice Springs	23 38	133 37	587	942·6	1006·7	— 0·5	304·8	313·0	8th	291·9	283·0	9th	298·3	298·9	−3·2	139	+ 94
1165	William Creek	28 55	136 21	76·2	1002·1	1010·7	+ 1·1	305·7	312·4	7th	293·3	285·8	28th	299·5	*299·1*	−1·7	44	+ 30
1166	Boulia	22 55	139 38	146	988·0	1004·0	— 1·1	309·2	316·1	6th	296·6	292·4	29th	302·9	*302·9*	−0·9	78	+ 25
1167	Thargomindah	27 58	143 43	123	993·2	1006·8	— 0·4	309·3	312·7	17th	296·9	287·0	28th	303·1	*302·7*	+0·4	3	— 33
1168	Mitchell	26 32	147 52	336	970·6	1007·3	..	306·9	310·8	10th, 18th	292·5	282·2	28th	299·7	..	+0·2	26	— 60
1169	Rockhampton	23 24	150 30	11·3	1007·2	1008·4	— 1·0	304·2	310·5	2nd	295·2	292·7	5th	299·7	..	−0·2	294	+ 61
1170	Brisbane	27 28	153 2	41·7	1006·0	1010·8	— 0·7	300·9	304·3	9th	293·1	288·9	28th	297·0	*296·4*	−1·1	301	+142
1171	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1172	Norfolk Island	29 4 S.	167 59 E.	15·2	1011·4	1013·3	+ 0·1	298·3	301·1	28th	292·4	289·1	15th	295·3	*294·9*	+0·3	96	+ 4

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	293·9	298·2	22nd	288·6	285·0	4th	291·3	*291·6*	0·0	42	+ 24
1222	Punta Tumbes	36 37	73 6	91	‡1004·2	‡1015·1	+ 0·1	291·7	295·8	15th	285·1	283·0	11th	288·4	*288·2*	+0·3	1	— 2
1223	Punta Angeles, Valparaiso	33 1	71 38	41	1008·3	1013·2	— 1·3	295·5	301·5	17th	286·9	284·7	2nd	291·2	*290·7*	−0·3	1	+ 1
1224	Santiago	33 27	70 42	520	952·4	1011·2	— 1·2	302·5	307·0	18th	285·2	283·0	sev. dates	293·9	*293·0*	+0·5	0	— 1
1225	Cordoba	31 25	64 12	423	961·4	1008·8	— 0·4	304·2	310·3	..	290·4	284·4	..	297·3	296·8	+0·6	180	+ 74
1226	Bahia Blanca	38 45	62 15	25	..	1010·2	+ 1·0	304·2	311·5	21st	290·1	284·0	23rd	297·1	297·1	+0·8	102	+ 58
1227	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1011·6	— 0·1	303·3	309·4	31st	289·7	281·0	24th	296·5	297·2	+0·7	40	— 40
1228	Montevideo (Prado)	34 52	56 12	24·9	1008·8	1011·7	— 0·6	303·1	308·9	30th	290·8	285·8	1st	296·9	296·9	+1·6	18	— 53
1229	Porto Alegre	30 2	W51 13	23·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1240	Cape Town	33 56	E18 29	12·2	..	1013·2	— 0·6	301·4	307·4	8th	289·9	286·3	10th	295·6	*294·2*	..	7	— 11
1241	Danger Point	34 37	19 18	27·7	1008·7	1011·9	..	296·0	298·0	6, 8, 9	289·7	285·8	12th	292·8	..	+1·5	15	— 7
1242	Riversdale	34 6	21 16	?61	1001·9	1008·9	..	302·3	..	..	289·6	..	..	295·9	..	..	0	..
1243	East London	33 1	27 54	9·8	1011·8	1012·9	0·0	298·6	300·2	1st	291·4	288·6	10th	295·0	..	+0·9	101	+ 21
1244	Perth (Observatory)	31 57	115 51	60·0	1005·0	1012·1	— 0·6	304·4	314·6	27th	292·6	286·9	5th	298·5	*298·0*	+2·2	1	— 7
1245	Katanning	33 42	117 35	310	978·5	1013·7	+ 0·5	304·4	311·1	12th	288·4	283·5	15th	296·4	..	+1·6	10	0
1246	Coolgardie	30 57	121 10	423	965·6	1012·7	+ 1·4	305·4	315·3	13th	289·9	286·2	17th	297·7	*297·4*	−0·5	2	— 10
1247	Eucla	31 45	128 58	4·6	1014·7	1015·2	+ 1·9	296·8	308·3	14th	290·5	283·6	30th	293·7	*293·0*	−0·8	2	— 13
1248	Streaky Bay	32 48	134 13	13·1	1013·6	1015·1	+ 1·7	302·4	312·6	14th	287·4	281·3	28th	294·9	*294·1*	0·0	3	— 8
1249	Adelaide	34 56	138 35	42·7	1010·6	1015·4	+ 2·4	301·9	312·2	14th	288·7	283·3	22nd	295·3	*294·7*	−1·0	5	— 14
1250	Melbourne	37 49	144 58	35·1	1011·3	1015·4	+ 2·5	295·9	309·0	31st	286·7	281·4	27th	291·3	*290·9*	−1·4	38	— 9
1251	Bourke	30 13	145 58	110	1000·1	1012·6	+ 0·3	309·3	317·4	15th	293·7	282·4	28th	301·5	..	−0·9	16	— 22
1252	Sydney	33 51	151 13	44·5	1007·5	1012·7	+ 0·3	297·4	303·1	16th	290·4	286·6	28th	293·9	*293·7*	−1·2	173	+ 78
1253	Lord Howe Island	31 20	159 0	4·6	1011·3	1011·9	— 1·0	297·8	300·2	18th	291·9	289·1	26th	294·9	..	−0·7	219	+ 94
1272	Auckland	36 50	174 50	38·1	..	1014·2	..	294·1	296·9	2nd	287·4	281·9	16th	290·7	..	−1·5	116	+ 49
1273	Napier	39 32 S.	176 53 E.	21·3	..	1014·3	+ 2·7	295·1	302·4	11th, 12th	285·8	279·7	16th	290·4	..	−1·5	47	— 15

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	104	..	1010·2	..	..	..	..	..	..	..	..	..	..	27	— 34
1302	Isla Guafo	43 34	74 45	140	997·9	1014·7	— 1·7	287·7	290·8	23rd	283·6	280·1	10th	285·7	*285·6*	+0·2	63	— 2
1303	Punta Galera	40 1	73 44	40	1010·7	1015·5	— 0·8	289·9	293·0	15th, 25th	284·8	282·2	11th	287·3	*287·6*	+0·4	93	+ 33
1304	Sarmiento	45 30	69 0	274	..	1006·8	..	299·1	307·5	6th	284·4	279·0	10th	291·7	291·2	−0·7	1	— 7
1305	Punta Madryn	42 49	W64 58	14	..	1009·6	..	299·6	310·5	28th	285·5	279·1	27th	292·5	292·8	−0·4	10	0
1306	Launceston	41 27	E147 10	10·1	1013·1	1014·3	+ 2·5	297·2	301·6	24th	285·2	279·1	22nd	291·2	*290·1*	+0·2	46	0
1307	Hobart	42 53	147 20	53·9	1008·7	1015·2	+ 5·1	293·1	305·3	6th	283·6	278·4	22nd	288·3	*287·2*	−1·5	25	— 20
1308	Invercargill	46 25	168 21	5·5	..	..	..	289·8	295·8	4th, 31st	280·9	274·7	15th	285·3	..	−1·6	75	— 34
1309	Dunedin	45 52	170 31	91·4	..	1012·5	+ 2·6	290·4	297·4	3rd	281·3	275·2	14th	285·8	..	−1·6	35	— 52
1310	Christchurch	43 31	172 39	7·6	..	1012·2	+ 0·9	292·6	302·6	4th	283·3	276·3	15th	287·9	..	−1·4	70	+ 14
1311	Wellington	41 16 S.	174 46 E.	2·4	..	1015·3	+ 2·7	292·0	297·5	31st	285·0	280·0	16th	288·5	..	−1·4	150	+ 65
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

RÉSEAU MONDIAL.

JANUARY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	996·3	1003·0	+ 1·1	283·4	286·3	27th	278·8	277·0	9th, 12th	281·1	*281·6*	—0·2	237	— 82
1422	Puerto de Punta Arenas	53 10	70 54	4	1001·0	1001·5	+ 1·9	289·6	294·7	6th	279·8	275·5	13th	284·7	*284·9*	+0·9	30	0
1423	Punta Dungeness	52 24	68 26	5	999·9	1000·5	+ 0·4	288·8	297·6	6th	280·8	278·2	13th	284·8	*284·8*	0·0	17	— 14
1424	Santa Cruz	50 11	68 21	12	1002·3	1003·7	0·0	294·3	305·3	6th	282·5	276·1	12th	288·4	288·4	+0·3	31	— 25
1424*a*	Año Nuevo	54 39	64 8	50	992·9	998·9	+ 2·6	285·0	288·7	29th	278·6	275·2	13th	281·8	282·1	+1·9	47	
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	75	+ 5
1426	Cape Pembroke	51 41	57 42	21	..	1000·1	+ 0·4	285·1	291·3	29th	278·4	275·2	13th, 14th	281·7	282·1	—0·6	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..

JANUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	991·5	992·4	+ 1·7	275·1	278·1	29th	271·7	269·2	14th	273·4	273·3	+ 0·2	16	— 22
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JANUARY 1920.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s.	17h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SE	—	SE	ENE 1 Calm 0	SE 1 S 2	NE	Calm 0	NW 5 NW 4	SE 2
2	SE	—	SE	Calm 0 Calm 0	S 2 E 1	ESE	SE 2	N 3 N 4	SE 0
3	SSE	—	SE	Calm 0 Calm 0	W 1 SE 2	ESE	Calm 0	NE 2 NE 1	Calm 2
4	SSE	—	SE	ENE 1 Calm 0	SE 1 N 2	E	Calm 0	NE 4 E 1	E 3
5	SSE	—	SE	Calm 0 Calm 0	E 1 W 2	NE	Calm 0	E 1 Calm 0	SE 1
6	SSE	—	SE	Calm 0 Calm 0	W 1 NW 1	E	SE 2	Calm 0 E 1	SE 1
7	SSE	—	SE	Calm 0 Calm 0	S 1 SW 1	SE	Calm 0	W 2 W 1	Calm 0
8	SSE	—	SE	E 2 Calm 0	S 1 S 1	E	Calm 0	NW 4 NNW 1	Calm 0
9	SE	—	E	NE 1 Calm 0	SW 2 S 2	E	SE 2	NW 3 N 1	Calm 2
10	SE	—	E	NE 5 E 1	SW 1 SSW 2	NE	Calm 0	N 1 Calm 0	E 3
11	SE	—	E	ENE 3 Calm 0	E 1 E 2	E	Calm 0	NNE 4 N 2	E 1
12	SE	11·5	N	E 5 Calm 0	E 1 SE 2	E	Calm 0	NNE 4 N 3	E 0
13	SE	12·9	N	Calm 0 Calm 0	E 3 Calm 0	NE	Calm 0	N 2 N 2	Calm 2
14	SE	9·6	N	NE 1 SW 1	E 1 SE 2	NE	Calm 0	NNW 3 NNW 3	E 2
15	SSE	7·9	N	Calm 0 Calm 0	E 2 S 2	NE	Calm 0	NNE 5 E 3	NE 0
16	SSE	6·7	E	Calm 0 Calm 0	W 1 W 1	NE	Calm 0	NE 5 NE 1	Calm 0
17	SE	3·3	E	Calm 0 SW 1	SE 1 S 1	NE	Calm 0	E 3 E 2	S 4
18	SSE	3·5	E	Calm 0 Calm 0	E 1 S 1	NE	Calm 0	ENE 4 NE 3	S 4
19	SSE	5·1	E	Calm 0 SW 1	E 2 SE 2	NE	Calm 0	ENE 3 E 2	S 3
20	SSE	3·9	N	Calm 0 Calm 0	W 2 SW 1	NE	Calm 0	E 6 N 4	S 3
21	SSE	4·4	N	Calm 0 Calm 0	E 1 SE 1	ENE	N 2	N 5 N 4	SE 0
22	SSE	4·5	N	NE 2 SW 2	S 1 W 1	E	Calm 0	N 2 ENE 5	Calm 1
23	SSE	4·9	N	E 1 Calm 0	SE 1 S 1	E	SW 2	NW 2 N 2	S 2
24	SSE	7·0	SE	Calm 0 SW 2	S 2 W 2	NE	NW 2	N 2 N 4	S 2
25	SSE	6·8	SE	Calm 0 Calm 0	E 1 E 2	NE	NW 2	ENE 3 NE 3	Calm 0
26	SSE	10·0	SE	Calm 0 SW 1	E 2 N 2	ENE	NW 2	ENE 3 ENE 3	Calm 0
27	SE	8·4	SE	W 2 SW 4	E 1 N 3	E	Calm 0	E 2 Calm 0	Calm 0
28	SSE	8·3	SE	Calm 0 Calm 0	E 1 SE 2	ESE	Calm 0	NNE 3 NE 3	Calm 1
29	SSE	9·2	SE	Calm 0 SW 6	W 1 Calm 0	NE	NW 2	NE 3 E 1	NE 0
30	SSE	5·8	SE	Calm 0 SW 1	E 1 SE 2	ENE	Calm 0	NE 1 E 3	Calm 1
31	SSE	3·6	SE	Calm 0 SW 1	SE 1 S 1	ESE	Calm 0	NE 4 E 4	1·5
Mean	..	6·9	..	0·8 0·7	1·3 1·5	—	0·6	3·1 2·3	1·5
§Resultant	150° (92)	..	100° (60)	155° (6)	150° (39)	70° (87)	305° (6)	30° (64)	125° (47)
§Normal	142° (02)	7·3	‖105° (75)	22° (9)	265° (35)	71° (78)	322° (14)	88° (27)	80° (51)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at ? 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JANUARY 1920.

‡‡ *Barents Sea.*—The Russian ice breaker "Solovei" which left Archangelsk on the 21st stuck fast in the ice to the east of Cape Kanin.

‡‡ *Spitsbergen.*—The bay ice broke up and the fjords were filled with broken ice. On the 30th Bell Sound was full of drift ice.

‡‡ *Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 3 days visible, 1 day heavy.

‡‡ *Greenland Sea and Denmark Strait.*—At Angmagsalik there was ice everywhere, though about the middle of the month open water was visible in the offing.

‡‡ *N. Atlantic and Labrador.*—Small masses of flat ice were seen and floes were abundant. The number of icebergs observed on the Newfoundland Banks south of the 48th parallel was six, the normal being three. The southernmost was in 43° N. and the eastmost in 42° W.

‡‡ *Davis Strait.*—At the beginning of the month or a little earlier than usual the first "Storis" appeared in the southern part of the Julianehaab district.

‡‡ *Isforholdene i de Arktiske Have*, 1920, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, FEBRUARY 1920.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF FEBRUARY 1920 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **FEBRUARY—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1365	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1373	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1375	Upernivik	72 47	W56 7	18·9	1005·2	1007·8	— 1·0	254·2	269·8	18th	246·6	241·5	12, 13, 15	250·4	*250·2*	+0·1	7	— 6
1389	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	998·6	1000·1	— 9·3	..	271·8	7th	249·8	238·6	22nd	..	255·4	+4·1	21	— 12
1460	Björnöen	74 28	19 15	40·5	990·0	995·2	..	..	..	..	..	..	..	..	*264·8*	..	53	..
1461	Gjesvaer	71 6	25 22	6·5	995·8	996·6	— 7·6	..	279·4	8th	267·0	256·1	1st	..	*270·1*	+1·5	101	+ 47
1463	Mehavn	71 1	27 47	6·4	996·2	997·0	— 5·0	..	277·1	8th	265·8	256·7	1st	..	*269·2*	+1·9	53	— 6
1467	Vardö	70 22	31 8	10·0	998·0	999·3	— 6·7	..	272·6	4th	265·8	258·2	1st	..	*268·7*	+1·8	53	— 18
1468	Malye Karmakouly	72 23	52 43	14·8	1000·4	1002·3	— 6·0	266·0	273·0	9th	258·2	248·8	20th	262·1	*262·4*	+6·1	..	..
1469	Waigatz	70 24	58 47	11·2	..	..	..	262·8	269·4	14th	255·4	245·8	7th	259·1	*259·9*	..	13	..
		N.	E.															

Between Latitude 70° N. and 60° N. **FEBRUARY—ZONE 2.**

1453	Nome	64 30	165 24	6·7	..	1007·8	— 4·4	262·6	274·7	23rd	254·1	238·0	8th	258·3	*258·6*	—0·2	113	+ 88
1454	Candle	65 55	161 57	2·4	..	..	..	258·7	274·7	27th	254·4	230·2	8th, 10th	256·6	..	..	..	..
1455	Tanana	65 10	152 6	67·1	..	1012·2	— 5·7	263·3	277·4	23rd	255·2	224·7	9th	259·2	*259·6*	+5·2	86	+ 63
1456	Rampart	65 30	150 15	122	..	..	..	261·8	278·6	24th	252·3	230·2	1st, 2nd	257·1	..	..	93	+ 76
1457	Valdez	61 7	146 16	8·2	..	1018·9	+ 8·9	273·4	276·3	23rd	267·2	257·4	28th	270·3	*270·0*	+ 3·4	300	+173
1458	Eagle	64 46	141 12	254	..	1014·9	— 2·6	268·1	276·9	16th	259·9	240·8	1st	264·0	..	+11·6	14	+ 3
1459	Dawson	64 4	139 20	328	977·3	1021·0	+ 1·0	259·7	271·9	8th	250·8	226·9	1st	255·2	..	+ 6·6	31	+ 13
1460	Carcross	60 11	134 34	662	..	..	..	270·8	277·4	sev. dates	258·6	233·0	1st	264·7	..	+ 7·1	0	— 25
1461	Fort Good Hope	66 25	128 53	65·2	1010·5	1019·4	..	260·8	279·7	27th	248·6	228·0	1st	254·7	..	..	49	+ 39
1462	Fort Simpson	61 52	121 35	129	1000·3	1017·6	..	263·0	276·9	25th	251·9	232·4	1st	257·4	..	+12·1	4	— 10
1463	Hay River	60 51	115 20	161	996·1	1017·3	..	266·3	279·1	17th, 28th	254·7	235·8	14th	260·5	..	+11·4	20	..
1464	Jacobshavn	69 13	51 2	12·6	1005·9	1007·6	+ 1·2	256·3	272·5	17th, 19th	249·4	239·7	11th, 12th	252·9	*253·2*	—0·6	2	— 5
1465	Godthaab	64 11	51 43	9·0	999·9	1001·1	0·0	266·0	276·2	18th	260·0	255·6	11th	263·0	*263·3*	+0·4	..	..
1466	Ivigtut	61 12	48 10	5·0	1001·4	1002·0	+ 1·3	268·1	276·9	26th	262·2	257·0	1st, 11th	265·1	*265·4*	—0·2	85	+ 16
1467	Angmagsalik	65 37	37 33	31·7	997·8	1002·0	— 1·5	263·8	273·4	19th	256·3	246·8	14th	260·1	*260·0*	—2·3	53	+ 9
1468	Stykkisholm	65 5	22 46	11·3	997·6	999·1	— 1·7	272·9	277·7	20th, 22nd	266·1	254·6	15th	269·5	*269·1*	—1·2	89	+ 24
1469	Vestmanno	63 26	20 15	7·7	995·6	996·6	— 3·3	275·3	280·2	21st	270·5	264·3	18th	272·9	*273·2*	—1·1	182	+ 59
1470	Grimsey	66 33	17 58	22·0	995·9	998·7	— 3·9	272·3	277·4	27th	..	..	..	..	*270·3*	+0·2	..	..
1471	Berufjord	64 40	14 19	18·0	997·0	999·2	— 3·0	274·2	283·0	21st	267·9	260·8	15th	271·1	*271·1*	—0·7	74	— 26
1472	Thorshavn	62 3	6 45	26·3	999·5	1002·8	— 2·6	278·1	283·0	28th	272·9	266·0	14th	275·5	*275·7*	—0·5	185	+ 51
1473	Lerwick	60 9	W 1 8	18·0	1005·7	1007·9	+ 0·6	279·8	282·4	1, 28, 29	275·4	271·9	12, 15, 27	277·6	*278·1*	+1·1	148	+ 68
1474	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1004·7	1010·2	— 1·2	278·7	281·7	18th	274·3	268·5	15th	276·5	*276·7*	+2·6	339	+206
1475	Christiansund	63 7	7 45	17·8	1003·6	1005·8	— 3·2	..	280·6	17th	273·6	269·5	15th	..	*276·1*	+1·9	116	+ 31
1476	Trondhjem	63 26	10 25	39·5	1001·1	1006·0	— 3·9	276·6	279·5	10th	271·2	264·4	13th	273·9	*274·2*	+3·8	72	— 18
1477	Bodö	67 17	14 24	22·4	997·1	999·9	— 7·3	..	280·0	7th	268·8	260·0	1st	..	*273·4*	+3·1	45	— 36
1478	Haparanda	65 50	24 9	9·2	1003·1	1004·3	— 7·2	269·8	276·0	6th	260·6	254·0	16, 21, 27	265·2	*265·6*	+4·6	106	+ 78
1479	Helsingfors	60 10	24 57	11·7	1011·9	1013·4	— 0·8	273·2	278·9	23rd	268·7	260·2	16th	271·0	*271·1*	+4·8	58	+ 21
1480	Kuopio	62 54	27 40	90·3	998·0	1009·6	— 3·9	271·3	275·9	23rd	263·2	253·5	29th	267·2	*268·5*	+5·0	54	+ 21
1481	Kola	68 53	33 1	6·7	1001·8	1002·7	— 4·4	268·3	274·0	12th	259·7	248·1	28th	264·0	*264·9*	+3·5	11	— 5
1482	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1483	Arkhangelsk	64 35	40 36	6·2	1009·9	1010·7	— 0·2	267·5	272·7	10th	261·0	249·3	1st	264·2	*264·6*	+4·3	44	+ 26
1484	Mezen	65 50	44 16	12·6	1008·2	1009·8	— 1·1	265·7	272·0	10th	259·7	250·8	29th	262·7	*263·0*	+3·6	14	+ 7
1485	Oust-Tsyima	65 25	52 14	? 70	1005·2	1014·6	— 1·6	261·8	270·7	11th	254·9	237·2	8th	258·4	*258·4*	+0·8	10	..
1486	Tcherdyn	60 24	56 31	?177	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1487	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1488	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1489	Sourgout	61 15	73 24	? 40	1020·3	1025·9	+ 6·5	..	267·3	29th	244·3	234·6	9th	..	*249·9*	—3·3	12	+ 2
1490	Doudinka	69 23	86 4	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1491	Touroukhansk	65 47	87 57	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1492	Viliouisk	63 45	121 35	?120	1018·8	1035·9	..	..	256·7	25th	240·8	232·1	8th	..	*246·1*	+3·3	11	+ 3
1493	Iakoutsk	62 1	129 43	108	1015·9	1031·4	+ 2·8	..	263·6	4th	237·4	226·4	13th	..	*243·1*	+6·8	9	+ 4
1571	Verkhoïansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	998·6	— 5·8	269·7	276·9	24th	264·2	251·3	7th	266·9	..	..	..	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	999·0	— 3·9	276·5	281·9	26th	271·4	260·2	7th	273·9	..	+1·1	..	..
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	273·1	280·8	23rd	264·4	245·2	9th, 10th	268·7	..	..	99	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1012·2	+ 6·5	276·9	282·4	17th	271·9	261·3	8th	274·4	..	..	‡60	— 63
309	Sitka	57 3	135 19	27·4	..	1023·0	+12·2	280·1	284·7	26th	272·8	265·8	1st, 2nd	276·4	*275·9*	+1·9	223	+ 99
310	Prince Rupert	54 18	130 18	51·8	1016·9	1023·4	+14·4	279·7	284·1	20th	273·6	268·6	2nd	276·6	*276·5*	+1·6	100	— 38
311	Barkerville	53 2	121 35	1274	873·0	1023·7	+ 5·3	273·0	276·9	6th	263·0	255·2	21st	268·0	*267·7*	+2·3	28	— 16
312	Kamloops	50 42	120 29	385	982·7	1031·3	+ 8·9	276·3	280·8	12th	266·9	261·9	29th	271·6	*271·5*	+1·7	4	
313	Calgary	51 2	114 2	1045	897·4	1021·6	0·0	275·8	282·4	5th, 9th	263·6	251·3	21st	269·7	*269·1*	+6·4	25	+ 12
314	Fort Chipewyan	58 42	111 10	218	990·0	1018·6	..	266·9	274·1	7th	253·6	231·9	14th	260·2	*260·7*	+8·8	11	+ 5
315	Prince Albert	53 10	105 38	442	964·1	1020·9	— 0·5	269·7	277·4	6th	255·8	238·6	14th	262·7	*262·9*	+8·2	21	+ 4
316	Qu'Appelle	50 30	103 47	645	939·6	1021·4	+ 2·6	268·0	276·9	7th	257·4	238·6	14th	262·7	*262·4*	+6·4	10	— 4
317	Minnedosa	50 15	99 50	515	954·9	1021·7	— 0·1	265·2	274·1	7th	253·0	235·8	14th	259·1	*258·7*	+3·8	11	+ 3
318	Berens River	52 18	97 23	216	..	..	..	257·9	266·3	29th	248·9	238·6	14th, 15th	253·4	..	+0·6	15	+ 17
318*a*	Port Nelson	57 4	92 36	14·9	1014·2	1016·2	+ 0·2	258·6	267·4	4, 5, 6	248·6	236·3	14th	253·6	..	+10·0	30	
319	Fort Hope	51 33	87 49	‡260	982·4	1016·7	..	263·6	273·0	29th	252·4	236·3	27th	258 0	*257·6*	+5·4	28	+ 17
320	Moose Factory	51 14	80 30	9·1	1015·4	1016·6	— 2·0	264·1	270·2	5, 6, 7	251·9	237·4	27th	258·0	..	+4·0	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	258·7	266·3	sev. dates	249·1	237·4	27th	253·9	*253·8*	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	265·4	271·9	6th	250·0	233·0	1st, 28th	257·7	..	+3·0	69	+ 14
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	264·2	276·3	20th	256·6	245·8	1st	260·4	..	+3·3	109	+ 50
326	Belle Isle	51 53	55 23	133	..	..	..	..	..	..	..	..	..	..	..	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1018·1	1019·8	+ 7·1	283·0	284·7	2nd	279·5	273·6	25th	281·3	281·5	+1·7	64	— 66
335	Aberdeen	57 10	W 2 6	26·8	1010·1	1013·4	+ 3·1	281·2	286·9	29th	275·6	271·3	14th	278·4	278·5	+1·9	20	— 29
336	Greenwich	51 28	0 0	46·3	1017·7	1023·4	+ 8·0	283·6	289·7	18th	275·4	270·2	28th	279·5	279·3	+2·1	15	— 25
337	Uccle	50 48	E 4 22	100	1012·1	1024·5	+ 7·9	283·7	290·3	20th	275·9	271·0	23rd	279·8	279·1	+4·4	32	— 20
338	De Bilt	52 6	5 11	3·0	1023·1	1023·5	+ 7·2	282·5	287·9	19th, 21st	274·3	270·5	23rd	278·4	278·4	+3·4	39	— 11
338*a*	Hamburg	53 33	9 58	26·0	1019·2	1022·5	+ 7·4	280·6	286·8	20th	274·5	269·8	7th	277·5	*277·0*	+2·9	41	— 3
339	Copenhagen	55 41	12 36	5·0	1018·6	1019·2	+ 5·5	277·8	282·6	29th	273·9	270·1	7th	275·9	*276·1*	+2·9	27	— 5
340	Potsdam	52 23	13 4	84·9	1013·4	1024·1	+ 8·0	280·1	289·1	25th	272·6	266·0	8th	276·3	275·9	+2·4	27	— 6
340*a*	Uppsaln	59 51	17 38	24	1009·5	1012·5	— 0·7	275·8	282·3	23rd	270·0	257·7	21st	272·9	273·1	+4·7	32	— 8
341	Warsaw	52 13	21 1	133	1007·8	1024·6	+ 7·1	276·4	284·2	26th	271·3	266·6	9th	273·9	273·7	+3·2	28	+ 2
342	Dorpat (Jurjev)	58 23	26 43	74·5	1007·9	1017·4	+ 3·3	272·8	277·1	23rd	268·0	258·4	22nd	270·4	270·5	+4·1	20	— 1
343	Petrograd	59 56	30 16	4·8	1015·0	1015·6	+ 0·8	271·2	276·2	23rd	265·9	257·4	1st	268·6	*268·9*	+4·4	18	— 5
344	Kiev	50 27	30 30	183	1003·6	1027·3	+ 8·3	271·0	279·6	26th	264·7	255·6	1st	267·8	*267·7*	+0·2	19	— 16
344*a*	Moscow	55 50	37 33	167	1002·6	1024·5	+ 5·9	267·2	276·9	28th	258·7	242·1	1st	263·0	*263·4*	+0·3	11	— 10
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1016·3	1027·1	+ 6·9	262·4	274·5	5th	253·9	241·9	2nd	258·2	*258·0*	—2·4	14	— 18
347	Orenburg	51 45	55 6	109	1014·8	1029·8	+ 5·8	258·3	273·4	5th	247·7	239·7	11th	253·0	*253·4*	—5·5	4	— 15
348	Perm	58 1	56 16	159	1004·7	1026·2	+ 6·7	..	272·6	29th	251·6	239·0	9th	..	*255·2*	—4·7	17	
349	Ekaterinburg	56 50	60 38	281	989·0	1026·7	+ 4·8	260·9	274·2	29th	251·7	241·8	8th	256·3	*255·9*	—2·8	6	— 2
350	Tobolsk	58 12	68 14	?108	1012·4	1027·2	+ 4·0	..	..	29th	249·5	237·2	9th	..	*253·5*	—3·8	8	— 0
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	1011·2	1033·2	+ 2·8	..	270·5	8th	250·6	234·8	4th	..	*255·8*	+0·1	33	+ 20
354	Tomsk	56 30	84 58	122	1014·0	1030·6	+ 3·2	..	269·3	27th	251·3	239·5	4th	..	*256·2*	+0·2	30	+ 9
355	Minousinsk	53 43	91 41	249	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 10	77·6	1021·9	1032·7	+ 4·8	..	270·1	27th	245·9	231·1	5th	..	*252·6*	—1·8	12	— 2
357	Irkutsk	52 16	104 19	467	973·8	1037·2	+ 5·0	..	267·9	28th	245·6	234·4	7th	..	*251·5*	—3·8	11	+ 2
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	674	943·6	1035·4	+ 3·8	..	267·3	29th	242·3	235·2	8th	..	*248·8*	—1·5	3	+ 1
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	978·3	1030·5	..	257·4	265·5	26th	238·4	225·3	6th	247·9	*248·1*	..	7	— 2
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	1009·8	1029·5	+ 5·6	255·8	266·3	26th	243·1	227·6	5th	249·4	*249·4*	—4·8	6	+ 5
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1021·8	1024·6	+ 7·4	257·4	272·2	3rd	247·5	233·8	6th	252·4	*253·6*	+0·9	10	— 2
366																		
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1013·5	1015·2	+11·5	266·9	272·4	1st	258·6	251·3	16th	262·7	*262·5*	..	5	..
369																		
371	Attu Island	52 56	173 13	4·9	..	1003·0	+ 3·4	272·9	277·4	25th	267·8	261·9	20th	270·3	..	..	41	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
611	Victoria, B.C.	48 24	123 19	70·1	1015·6	1024·4	+ 8·5	281·3	284·7	28th	275·2	273·0	9th, 22nd	278·3	277·5	+1·0	16	— 74
612	Portland, Oregon	45 32	122 41	46·6	1018·1	1023·7	+ 5·7	283·0	288·6	25th	274·3	271·9	23rd	278·7	*278·4*	+0·2	4	—136
613																		
614	Macleod	49 44	113 24	953	..	..	..	274·6	284·1	6th	265·2	249·7	21st	269·9	*269·9*	+4·4	66	+ 52
614*a*	Helena	46 34	112 4	1253	877·1	1024·4	+ 4·5	273·8	281·9	18th	264·9	255·2	29th	269·4	*269·8*	+2·4	9	— 8
615	Salt Lake City	40 46	111 54	1329	869·5	1020·0	+ 1·3	280·0	285·2	21st	271·9	268·6	26th	276·0	*275·8*	+2·3	29	— 8
616	Cheyenne	41 8	104 48	1856	812·0	1021·3	+ 3·9	275·9	286·9	1st	264·3	254·7	29th	270·1	*269·9*	+0·1	18	+ 4
616*a*	North Platte	41 8	100 45	859	919·8	1022·7	+ 3·3	277·6	289·7	19th	265·8	257·4	24th	271·7	*271·4*	+2·5	18	+ 5
617	Bismarck	46 47	100 38	511	959·4	1023·0	+ 1·9	270·2	278·6	16th	259·4	243·6	14th	264·8	*265·0*	+5·2	5	— 7
618	Winnipeg	49 53	97 7	232	990·5	1021·3	— 0·5	264·7	273·0	8th, 9th	252·4	239·1	14th	258·6	*258·1*	+3·7	22	+ 1
618*a*	Duluth	46 47	92 6	345	975·8	1019·3	+ 0·3	266·2	273·0	6th	258·1	244·1	15th	262·1	*262·1*	+1·0	11	— 12
619																		
620	Port Arthur	48 27	89 12	196	993·0	1018·5	— 0·5	268·6	274·7	9th, 29th	256·9	245·2	17th	262·7	*262·6*	+3·5	3	— 15
621	Chicago	41 53	87 37	251	988·1	1019·3	+ 0·5	272·8	282·4	2nd	266·3	251·3	15th	269·6	*269·7*	+0·1	3	— 52
622	Toronto	43 40	79 24	116	1002·4	1017·4	— 0·7	270·8	280·8	2nd	261·9	250·2	1st	266·3	266·4	—1·0	41	— 25
623	New York (Central Park)	40 47	73 58	47·4	1009·5	1013·3	— 4·3	274·8	281·3	18th	267·3	254·1	1st	271·1	270·9	—1·3	163	+ 71
624	St. John, N.B.	45 17	66 4	36·2	1007·0	1011·7	— 2·3	270·8	279·7	19th	263·0	246·3	1st	266·9	266·8	+0·6	201	+102
624*a*	S.W. Point, Anticosti	49 24	63 35	9·1	1009·3	1010·5	+ 0·6	267·4	278·0	20th	261·3	248·6	1st	264·4	*264·7*	+1·3	133	+ 92
625	Sable Island (Main Station)	43 57	60 6	7·6	1014·0	1015·0	+ 2·5	274·7	280·2	13th, 20th	269·7	256·9	1st	272·2	*272·1*	+1·0	121	0
625																		
626	Port aux Basques	47 35	59 10	9·1	1010·8	1012·0	+ 1·8	270·8	278 0	20th	263·6	250·8	1st	267·2	*267·1*	+1·8	121	+ 27
	St. John's, Newfoundland	47 34	52 42	38·1	1007·0	1011·9	+ 3·5	271·9	279·1	7th	265·8	249·1	2nd	268·8	*268·7*	+0·6	119	— 10
635																		
636	Madrid	40 24	3 41	667	944·6	1023·8	+ 3·5	284·9	288·8	29th	276·7	270·1	11th	280·8	*280·5*	+1·8	89	+ 52
	Nantes	47 15	W 1 34	36·5	1020·3	1024·8	+ 6·5	284·6	290·2	18th	276·9	272·0	3rd, 27th	280·7	280·3	+1·8	4	— 51
637																		
638	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1019·9	1026·2	+ 7·8	284·2	290·1	18th	274·7	270·4	8th	279·5	279·2	+2·6	12	— 21
638*a*	Marseille	43 18	5 23	75	..	1024·1	+ 7·7	288·2	291·0	27th	277·9	270·2	9th	283·0	*282·6*	+2·2	8	— 33
639	Zürich	47 23	8 33	493	967·8	1028·3	+ 7·9	281·9	286·1	25th	271·7	266·6	8th	276·8	276·0	+2·2	15	— 41
640	Rome	41 54	12 27	50·6	1018·4	1024·6	+ 8·1	286·8	289·4	23rd	277·4	272·0	10th	282·1	*281·6*	+0·6	2	— 62
640*a*	Vienna	48 15	16 22	203	1002·0	1027·3	+ 8·3	279·4	286·0	25th	273·4	269·0	9th	276·4	276·3	+3·3	34	+ 1
641	Budapest	47 31	19 2	130	1011·0	1027·2	+ 8·1	280·2	287·3	27th	271·5	266·9	10th	275·8	*275·2*	+2·2	17	— 13
642	Sofia	42 42	23 20	550	960·2	1028·4	+ 9·4	276·4	284·5	27th	268·8	258·6	5th	272·6	*272·3*	—0·8	16	— 13
	Bucharest	44 25	26 5	82	1017·5	1028·0	+ 7·7	275·3	284·0	27th	267·6	259·3	7th	271·4	270·9	—1·5	17	— 10
643																		
644	Odessa (University)	46 26	30 46	42·8	1021·6	1027·2	+ 7·8	272·2	283·6	28th	265·6	256·9	10th	268·9	*268·9*	—1·7	1	— 20
644*a*	Kharkov (University)	50 0	36 14	140	1009·6	1028·0	+ 7·3	267·6	275·9	24th, 26th	259·7	249·1	10th	263·6	*263·6*	—3·6	6	— 20
645	Novorossiisk	44 44	37 49	37·1	1017·8	1022·6	+ 4·3	275·5	283·6	28th, 29th	269·6	253·4	9th	272·6	*271·0*	—5·2	12	— 57
646	Tiflis	41 43	44 48	404	974·4	1024·9	+ 3·1	274·9	283·3	29th	268·3	260·0	4th	271·6	*271·6*	—3·4	31	+ 12
647	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
648	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
649																		
650	Aralskoe More	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
651	Tachkent	41 20	69 18	478	967·4	1027·2	+ 3·0	277·6	284·2	25th	266·2	252·4	5th	271·9	*270·9*	—3·4	75	+ 45
652	Narynskoe	41 26	76 2	?2015	795·0	1031·3	..	..	..	16th	253·4	243·7	7th	..	*259·4*	+1·1	25	..
	Vernyi	43 16	76 53	841	..	..	..	..	..	..	..	..	..	..	..	..	..	..
653																		
654	Moukden	41 48	123 23	43·8	1025·7	1031·6	+ 5·2	265·0	274·4	25th	252·6	240·3	10th	258·8	258·7	—4·6	22	+ 16
655	Joshin	40 40	129 11	31·9	1022·6	1026·8	+ 6·7	271·6	275·7	16th	264·3	257·8	10th	267·9	267·9	—0·6	24	+ 8
656	Yuki	42 20	130 24	65·6	1018·2	1026·8	+ 6·5	268·5	273·8	28th	260·9	252·9	10th	264·7	264·5	—2·2	13	+ 2
657	Vladivostok	43 7	131 55	128	1010·4	1027·7	+ 5·9	263·3	272·0	1st	253·7	244·1	9th	258·5	258·3	—4·7	15	+ 6
658	Ochiai	47 20	142 46	6·6	1020·0	1020·9	+ 7·7	266·5	274·6	3rd	250·7	238·5	20th	258·6	259·6	—0·5	25	— 15
658*a*	Nemuro	43 20	145 35	26·7	1014·7	1018·2	+ 5·5	270·3	276·4	3rd	264·7	257·0	22nd	267·5	267·7	+0·1	51	+ 24
	Syana	45 14	147 53	39·3	1011·6	1016·7	+ 5·3	270·1	275·2	3rd	265·5	259·8	25th	267·8	267·8	+1·7	54	+ 4
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 40° N. and 30° N.

FEBRUARY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
614	San Francisco	37 48	122 26	47·2	1012·9	1018·6	— 0·5	288·2	294·1	7th	280·9	278·6	21st	284·6	*284·0*	+0·3	31	— 60
615	San Luis Obispo	35 18	120 39	61·3	1011·2	1018·6	— 0·4	290·8	297·4	6th	280·1	273·6	12th	285·4	*284·9*	+0·1	60	— 38
643																		
644	San Diego	32 43	117 10	26·5	1014·6	1017·9	+ 0·3	290·3	297·4	6th	283·2	278·6	11th	286·8	*286·4*	+0·8	73	+ 21
645	Modena	37 48	113 54	1670	833·9	1018·6	+ 1·2	278·5	284·7	28th	267·3	254·7	12th	272·9	*272·8*	+0·1	42	+ 14
646	Santa Fé	35 41	105 57	2138	785·7	1015·9	0·0	281·2	284·7	19th	270·9	265·2	29th	276·1	*275·6*	+2·6	28	+ 9
647	Denver	39 45	105 0	1613	837·5	1020·3	+ 4·1	278·6	288·0	7th	268·1	260·2	14th	273·3	*273·5*	+1·0	12	— 1
648	Abilene	32 23	99 40	530	957·5	1019·6	+ 1·3	288·5	299·7	20th	276·4	267·4	16th	282·4	*282·0*	+1·9	8	— 17
	Saint Louis	38 38	90 12	173	998·8	1020·0	+ 0·3	278·7	290·8	2nd	270·4	258·0	16th	274·6	*274·4*	+0·6	19	— 51
649																		
650	Mobile	30 41	88 2	17·4	1016·8	1018·9	— 0·7	289·2	298·0	22nd	280·4	271·9	29th	284·8	*284·5*	—0·3	125	— 10
651	Nashville	36 10	86 47	166	999·7	1020·0	— 0·2	281·3	291·9	2nd	272·9	260·8	16th	277·1	*277·5*	—0·6	49	— 61
652	Charleston	32 47	79 56	14·6	1014·8	1016·6	— 3·5	285·9	293·0	24th	278·1	270·2	27th	282·0	*282·0*	—1·9	66	— 18
653	Washington	38 54	77 3	34·1	1012·6	1016·9	— 2·7	277·3	285·8	18th	269·5	260·2	1st	273·4	*273·4*	—1·1	88	+ 4
654																		
655	Bermuda	32 17	64 46	46·0	1012·7	1018·2	— 0·1	293·0	295·2	13th	287·4	283·0	28th, 29th	290·2	*289·9*	—0·1	159	+ 41
656																		
657	Santa Cruz (Flores)	39 27	31 9	28	1024·4	1027·5	+ 6·4	288·9	294·1	28th, 29th	283·0	275·6	6th	285·9	*286·0*	—0·6	38	—142
658																		
659	Horta	38 32	28 38	65	1018·8	1026·0	+ 4·9	287·5	292·3	11th, 29th	283·0	278·3	6th	285·2	285·9	—1·4	64	— 36
660	Ponta Delgada	37 44	25 40	22	1022·4	1024·3	+ 4·1	287·3	290·7	1st	283·6	278·8	6th	285·5	286·2	—1·0	..	..
661	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
662	Madeira (Funchal)	32 37	16 54	25	‡1015·9	‡1018·9	— 1·9	290·8	292·9	8th	285·9	283·0	18th, 25th	288·4	*288·3*	+0·2	95	— 29
663																	445	+354
664	Lisbon	38 43	9 9	95	1008·1	1019·6	— 0·1	288·2	291·6	4th	282·3	278·3	12th	285·3	*285·0*	+0·8	108	+ 17
665	Gibraltar	36 6	5 21	16·2	1018·5	1020·4	+ 0·4	288·7	291·3	4th, 21st	283·7	279·3	1st	286·2	*286·6*	—0·1	112	+ 5
666	Melilla	35 18	2 59	8	1021·3	1022·3	+ 2·0	290·1	293·2	29th	283·1	277·2	4th	286·6	*288·5*	0·0	12	— 56
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108

FEBRUARY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1020·1	1022·9	+ 5·2	288·4	293·4	28th	279·5	272·4	10th	283·9	..	—0·4	35	+ 0
538	Algiers (Bouzaréah)	36 48	3 2	343	981·1	1021·9	+ 3·3	287·5	294·8	26th	281·8	277·4	8th	284·6	284·3	+1·1	71	+ 4
539	Tunis	36 48	10 10	21	1020·0	1022·5	..	289·1	295·2	20th	281·9	276·9	11th	285·5	*284·9*	+1·2	72	+ 21
539*a*	Malta	35 54	14 31	56·4	..	1021·7	+ 4·9	287·7	292·0	23rd	283·3	281·9	9th, 10th	285·5	*285·0*	—0·4	72	+ 10
540	Riposto	37 41	15 14	14·2	..	1025·1	+ 8·0	287·0	289·2	29th	282·4	279·0	10th	284·7	*284·5*	—0·1	102	+ 20
541	Athens	37 58	23 43	107	1010·1	1023·3	+ 6·7	283·7	289·3	28th	276·7	270·7	10th	280·2	280·3	—1·7	51	+ 15
542	Alexandria	31 12	29 53	32·0	1014·8	1018·7	+ 1·8	290·2	296·3	2nd	282·6	277·4	11th, 12th	286·4	*286·0*	—1·5	42	+ 10
543	Cairo (Helwan)	29 52	31 20	116	1005·0	1019·1	+ 2·2	289·5	295·3	23rd	279·6	275·7	11th	284·5	284·5	—2·6	10	+ 5
544	Nicosia (P.W.D.)	35 9	33 22	159	999·0	1018·4	+ 2·6	283·8	290·2	28th	275·8	269·7	9th	279·8	..	—3·5	62	+ 19
544*a*	Beirut	33 54	35 28	33·7	..	1017·2	+ 0·8	286·3	291·5	29th	280·5	272·0	11th	283·4	*283·3*	—3·3	176	+ 25
545	Baghdad	33 21	44 28	38·1	..	1019·2	— 0·4	286·2	290·2	28th	276·2	271·3	2nd	281·2	*279·5*	—4·3	38	+ 5
546	Lenkoran	38 46	48 52	—20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Tehran	35 41	51 25	1220	..	..	..	?278·6	?284·9	15, 16, 18	?268.8	?260·8	3rd	?273·7	?*273·6*	—4·6	73	+ 40
548	Meshed	36 16	59 35	946	..	..	..	279·2	288·2	13th, 16th	267·8	257·3	5th	273·5	..	—2·6	70	..
549	Seistan	31 0	61 30	?	..	..	..	286·6	296·3	23rd	274·5	267·3	5th	280·6	..	..	5	..
550	Quetta	30 11	67 3	1677	834·2	..	+ 0·1	283·9	295·1	27th	271·9	261·2	5, 6, 7	277·9	*277·8*	—0·7	28	— 21
551	Peshawar	34 2	71 37	339	977·8	1018·8	— 0·6	290·6	299·7	29th	278·3	271·9	5th	284·4	*283·8*	—0·8	23	— 15
551*a*	Lahore	31 34	74 20	214	990·8	1016·6	— 0·2	293·4	302·3	29th	281·0	274·2	7th	287·2	*286·9*	—0·2	20	— 11
552	Simla	31 7	77 8	2205	780·0	..	+ 0·1	280·2	288·1	24th	274·4	265·3	7th	277·3	*277·2*	—0·6	72	+ 4
552*a*	Leh	34 10	77 42	3503	662·2	..	— 1·3	271·2	278·9	29th	260·3	253·0	12th	265·8	*264·8*	—1·3	12	..
559	Hankow	30 35	114 17	37·0	1024·7	1029·4	+ 3·9	277·5	286·7	29th	273·0	269·7	2nd	275·3	*275·2*	—3·4	80	+ 43
560	Tientsin	39 10	117 10	5·0	1031·4	1032·1	+ 5·7	273·7	280·5	25th	265·3	260·0	10th	269·5	*269·4*	—1·9	4	+ 1
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1027·8	+ 2·8	279·2	285·1	29th	273·7	269·5	9th	276·4	276·0	—1·1	107	+ 49
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1018·8	1027·5	+ 4·4	273·7	280·0	1st, 29th	266·2	256·1	11th	269·9	269·2	—2·0	6	— 11
562*a*	Nagasaki	32 44	129 52	133	1006·3	1022·7	+ 2·0	281·9	290·4	1st	275·3	268·7	11th	278·6	278·3	—0·5	68	+ 20
563	Kyoto	35 1	135 44	42·9	1016·5	1021·9	+ 3·3	281·1	287·4	17th	272·7	268·1	12th	276·9	276·2	+0·5	91	+ 44
564	Tokyo	35 41	139 45	21·3	1016·7	1019·3	+ 3·2	279·6	285·0	3rd	272·4	268·9	11th	276·0	275·6	—1·1	111	+ 52
565	Kanayama	37 53	140 46	24·6	1016·5	1019·6	+ 4·0	276·5	283·8	3rd	269·0	263·6	25th	272·7	272·7	—1·3	128	+ 55
566	Miyako	39 38	141 59	30·4	1015·1	1019·0	+ 4·4	277·0	283·9	3rd	267·2	262·0	20th	272·1	271·6	—0·9	120	..
		N.	E.															

FEBRUARY—ZONE 6.

Between Latitude 30° N. and 20° N.

		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1013·9	— 1·9	293·0	296·9	25th	286·6	281·9	25th	289·8	*289·4*	..	107	..
605	Honolulu	21 19	157 52	11·6	1015·7	1017·0	— 0·4	298·6	299·7	..	293·0	290·2	..	295·8	*295·6*	+1·2	18	— 90
614	La Paz	24 10	110 20	12	1013·1	1014·6	..	299·0	305·4	22nd	287·3	282·6	3rd	293·1	..	..	2	..
615	Chihuahua	28 38	106 4	1423	860·1	1016·4	..	293·6	301·5	23rd	279·7	273·2	15th	286·6	*286·4*	..	4	— 5
616	Leon	21 7	101 41	1809	820·9	1010·0	— 0·3	298·6	302·5	24th	281·0	276·1	4th	289·8	..	+1·4	0	— 27
616*a*	Monterry	25 40	100 18	528	955·9	1016·6	..	296·6	310·2	24th	284·4	280·9	16th	290·5	*289·7*	..	7	— 21
617	Tulancingo	20 5	98 22	2180	792·8	..	..	..	298·0	..	..	271·0	..	..	285·7	—0·5	0	— 27
618	Galveston	29 18	94 50	16·5	1017·9	1020·0	+ 1·2	290·7	296·3	22nd	285·1	277·4	29th	287·9	*287·7*	+1·6	46	— 21
618*a*	New Orleans	29 57	90 4	16·2	..	1019·3	+ 0·3	290·7	299·7	22nd	282·6	274·7	29th	286·7	*286·1*	—0·4	91	..
619	Merida, Yuc.	20 58	89 38	22	1013·7	1016·2	..	301·3	307·0	12th, 24th	291·2	288·2	7th	296·2	*295·6*	..	0	— 3
620	Havana	23 8	82 21	24·3	..	1016·9	— 1·0	297·4	302·4	14th	290·9	286·2	28th	294·2	294·2	—0·5	31	— 4
620*a*	Key West	24 33	81 48	6·7	1015·9	1016·6	— 2·0	296·1	301·9	14th	290·2	285·2	16th	293·1	*292·5*	—2·1	35	+ 67
621	Nassau, Bahamas	25 5	77 21	3·7	..	‡1014·0	— 4·6	297·4	299·7	14th	291·6	287·4	7th	294·5	*294·4*	—0·7	108	..
622	Watling Island	24 6	74 26	33·5	1012·4	1016·3	— 2·0	..	299·7	15th, 26th	..	293·0	17th	..	*296·3*	..	..	..
633	Izaña	28 19	16 30	2367	762·3	..	..	275·8	282·3	1st	270·7	266·6	10th, 11th	273·3	*273·2*	..	381	..
634	La Laguna	28 28	W16 20	547	949·7	1013·6	— 5·1	288·0	292·0	24th	281·9	275·6	6th	284·9	*284·4*	—0·8	405	+378
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	—23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642					..	..	..	..	..	..	..	..	..	..	..	..	..	..
643	Aswan	24 2	32 53	99·6	1006·0	1017·9	+ 1·4	295·1	304·3	23rd	281·4	276·0	12th	288·2	*287·4*	—2·6	..	..
644	Tor	28 14	33 37	1·9	1017·1	1017·4	+ 1·4	291·4	297·0	23rd	280·6	274·7	12th	286·0	*285·8*	—2·3	12	..
647	Bushire	28 59	50 53	4·3	1016·9	1017·5	+ 0·9	289·1	293·5	29th	283·1	278·6	8th	286·1	*285·8*	—2·0	117	+ 68
648	Jask	25 44	57 47	4·0	1016·3	1016·8	+ 0·7	296·0	300·3	29th	287·8	281·1	5th	291·9	*291·6*	—0·9	45	+ 22
649	Karachi	24 53	66 57	4·0	1016·3	1016·8	+ 0·5	297·0	305·2	27th	288·2	279·2	6th	292·6	*292·3*	—1·4	6	+ 6
650	Jacobabad	28 17	68 29	56·7	1010·0	1016·7	+ 0·3	299·2	309·6	29th	283·4	273·3	7th	291·3	*290·9*	+1·1	9	+ 1
651	Jaipur	26 56	75 52	436	966·6	1017·5	+ 0·5	298·7	307·2	29th	283·3	273·7	7th	291·0	*290·6*	—0·3	3	+ 5
652	Nagpur	21 8	79 5	310	980·1	1015·7	+ 0·6	304·6	309·4	27th	287·7	283·9	11th	296·2	*296·0*	—0·3	0	— 11
653	Allahabad	25 25	81 51	94·1	1005·2	1016·3	+ 0·6	299·6	307·4	26th, 27th	284·9	276·6	8th	292·2	*291·6*	+0·6	11	+ 0
653*a*	Darjeeling	27 3	88 18	2266	774·6	..	— 1·0	281·9	289·9	28th	275·2	270·4	13th	278·6	*278·5*	+0·1	17	..
654	Calcutta	22 36	88 23	6·4	1013·8	1014·5	— 0·4	300·6	306·3	28th	289·6	283·3	13th	295·1	*294·9*	+0·7	38	..
655	Gauhati	26 8	91 41	59·7	1009·0	1016·1	— 0·2	297·9	303·2	29th	284·9	278·3	13th	291·4	*290·5*	+0·2	20	— 35
655*m*	Cherrapunji	25 15	91 42	1314	869·9	..	+ 0·1	289·1	297·2	29th	281·3	275·4	13th	285·2	*284·5*	—0·1	46	+ 5
655*a*	Akyab	20 11	92 56	6·1	1013·5	1014·2	0·0	300·3	303·8	29th	289·2	285·7	14th	294·8	*294·6*	—0·9	14	+ 5
656	Mandalay	21 59	96 0	76·2	1005·9	1014·8	+ 0·7	304·7	309·1	27th	288·4	282·4	14th	296·6	*295·9*	—0·4	0	..
656*a*	Tengyueh	24 59	98 35	1633	834·6	1013·6	..	289·2	294·1	23rd, 29th	275·6	270·2	1st	282·4	*281·7*	..	27	+ 22
657	Phu Lien	20 48	106 38	116	1003·6	1017·5	+ 0·6	291·7	307·1	1st	286·6	281·8	14th	289·1	288·8	—1·0	49	+ 32
658	Moncay	21 31	107 51	9·0	1017·2	1018·3	+ 1·1	289·8	301·5	1st	284·5	281·1	13th	287·1	*287·2*	—2·4	95	+ 53
659	Hongkong	22 18	114 10	33·2	..	1018·7	0·0	289·9	298·0	1st	286·3	282·6	9th	288·1	287·9	+0·1	67	+ 53
660	Amoy	24 27	118 4	ca.3	1021·2	1021·6	+ 0·3	288·1	295·2	1st, 2nd	283·8	280·2	11th	285·9	*286·0*	—0·6	121	..
661	Taihoku, Formosa	25 2	121 31	9·3	1019·9	1021·0	+ 1·0	291·5	303·2	1st	285·9	281·5	9th	288·7	288·4	+0·8	135	+ 11
661*a*	Basco	20 28	121 59	18·7	1012·6	1015·0	+ 0·6	299·9	303·2	2nd	294·0	291·5	7th	296·9	*296·7*	+1·2	348	+ 230
662	Naha	26 13	127 41	10·5	1019·0	1020·3	+ 1·3	292·5	299·3	1st	287·1	283·2	27th	289·8	289·7	+0·7	308	+ 173
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1017·9	1018·4	+ 1·8	293·4	297·0	2nd	287·8	283·7	22nd	290·6	290·7	+0·2	49	— 39
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

FEBRUARY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
	Colima	19 12	103 45	509	956·3	1011·6	..	302·0	303·6	22nd	293·6	291·6	2nd, 3rd	297·8	*297·3*	..	0	..
	Morelia	19 42	101 7	1923	809·3	1009·4	..	294·5	298·0	25th	..	..	..	..	*289·4*	..	..	..
	Mexico, Tacubaya	19 24	99 12	2309	774·9	1014·6	+ 0·1	298·1	302·1	24th	278·1	273·1	4th	288·1	287·3	+0·7	0	— 7
	Salina Cruz	16 12	95 12	56	1006·8	1013·2	..	301·7	305·7	23rd	294·4	290·2	1st	298·0	*297·5*	..	0	..
	San Salvador	13 42	89 13	682	934·5	1010·0	— 1·7	308·9	312·4	29th	287·3	283·4	9th	298·1	*295·7*	+0·1	0	— 8
	Belize	17 29	88 12	5·2	1015·4	1016·0	+ 0·8	300·2	302·2	26th	292·5	285·5	7th	296·3	*295·8*	—1·7	46	— 29
	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·6	— 1·2	301·7	304·0	21st	293·2	290·5	24th	297·4	*297·0*	0·0	17	— 22
	Port au Prince	18 34	72 22	37·4	1010·1	1014·4	— 1·6	303·6	306·8	14th, 20th	294·1	292·0	25th	298·9	*298·0*	+0·2	104	+ 47
	Caracas	10 30	66 55	1042	899·3	1015·5	— 0·1	298·7	303·0	25th	286·5	281·9	10th	292·6	*291·1*	—0·3	1	— 10
	Montserrat	16 41	62 9	39·6	1010·3	1014·9	— 1·3	301·7	303·6	18, 20, 29	294·6	292·4	9th	298·1	*297·6*	..	94	..
	Grenada (Richmond Hill)	12 5	61 46	155	994·6	1012·5	— 1·4	301·4	304·7	9th	295·3	294·1	6th, 10th	298·3	*297·9*	+0·2	36	— 35
	Barbados	13 8	59 36	55·2	..	1014·1	— 0·8	301·3	302·2	24th	294·3	291·6	12th	297·8	*297·0*	+0·4	27	— 29
	São Vicente, C. Verde Is.	16 54	25 4	11	1014·3	1015·6	+ 0·4	295·7	298·0	23rd	..	..	..	..	*294·6*	+0·3	0	— 5
	San Tiago, C. Verde Is.	14 54	23 31	?40	..	..	..	299·8	301·0	13th	291·9	286·3	3rd	295·9	*295·1*	+0·7	0	— 2
	Bathurst	13 27	16 36	1·8	1012·6	1012·8	— 0·2	302·9	309·1	24th	..	..	..	..	..	..	0	0
	M'Carthy Island	13 33	14 45	1·1	..	..	..	306·6	309·7	15, 28, 29	291·8	285·2	1st, 9th	299·2	..	—1·2	0	0
	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Sokoto	13 2	E 5 14	353	..	..	..	305·3	311·3	23rd, 24th	290·1	285·2	14th	297·7	*297·5*	—1·2	0	0
	Kaduna Capital	10 32	7 25	637	944·0	1016·1	+ 1·4	304·4	309·7	22, 23, 24	288·8	285·8	13th	296·6	*296·5*	—1·3	0	— 1
	Hadeija	12 40	10 5	?	..	..	..	305·3	312·4	23rd	285·4	281·9	14th, 15th	295·3	*295·1*	—2·4	0	..
	Maiduguri	11 47	13 11	361	..	..	..	306·2	313·0	23rd	287·2	283·6	13th, 14th	296·7	*296·6*	—2·2	0	0
	El Fasher	13 32	25 18	730	..	..	..	303·5	312·0	24th	283·9	282·0	13, 15, 27	293·7	*292·2*	..	0	..
	El Obeid	13 11	30 14	569	..	..	..	302·1	310·5	24th	284·4	279·3	13th	293·2	*292·6*	—1·8	0	0
	Khartoum	15 37	32 33	390	968·6	1012·4	+ 0·8	301·8	311·3	24th	286·6	282·0	12th	294·2	*294·3*	—2·7	0	0
	Port Sudan	19 37	37 13	5·5	1014·6	1015·2	+ 1·5	298·8	304·5	1st	291·2	287·8	12th	295·0	*294·5*	—1·3	0	— 6
	Berbera, Somaliland	10 22	45 2	5·2	1013·5	1014·5	— 0·8	302·7	304·1	1, 21, 24	295·1	293·0	1st, 15th	298·9	*299·2*	+1·6	0	— 8
	Aden	12 45	45 3	28·7	1011·3	1014·5	— 0·8	300·3	301·7	8th	296·7	295·1	16th	298·5	*297·9*	+0·4	0	— 5
	Bombay	18 54	72 49	11·3	1013·7	1014·9	+ 0·4	301·7	305·3	24th	293·9	289·8	7th	297·8	*297·5*	+0·7	8	+ 7
	Cochin	10 58	76 21	2·7	1013·7	1013·9	+ 0·8	305·8	310·1	27th	296·7	294·0	28th	301·2	*300·7*	+0·4	0	— 21
	Kodaikanal	10 14	77 28	2343	772·5	..	+ 0·3	292·7	295·4	15th	280·7	278·6	27th	286·7	*286·8*	—0·1	10	— 25
	Bangalore	12 59	77 38	920	913·3	1014·5	+ 0·6	303·8	306·2	16th	289·4	285·4	26th	296·6	*296·3*	+1·1	0	— 4
	Madras	13 4	80 14	6·7	1013·8	1014·5	+ 0·1	303·9	306·0	17th	294·6	292·3	24th	299·3	*298·8*	+1·1	0	— 8
	Vizagapatam	17 42	83 19	11·6	1013·1	1014·4	— 0·1	302·2	304·6	28th	295·6	291·4	1st	298·9	*298·4*	+0·8	35	+ 12
	Port Blair	11 40	92 40	17·7	1011·3	1013·4	+ 0·2	302·3	303·4	21st, 28th	295·6	294·2	18th	298·9	*298·4*	—1·6	7	— 17
	Rangoon	16 46	95 48	5·5	1013·5	1014·2	+ 0·7	306·2	309·0	27th	292·0	289·1	2nd	299·1	*297·9*	—0·3	0	— 6
	Saigon	10 47	106 42	11·2	..	..	..	305·5	308·1	26th	295·7	293·7	12th	300·6	*300·0*	+0·4	10	+ 7
	Cap St. Jacques	10 20	107 5	180	990·8	1011·5	+ 0·2	..	..	..	..	..	..	..	..	..	..	..
	Nhatrang	12 15	109 12	3·6	1013·1	1013·5	— 0·3	301·8	303·7	6th	294·4	291·8	11th	298·1	*297·6*	+0·1	224	+207
	Bolinao	16 24	119 53	7·1	1010·1	1011·0	— 0·6	305·4	308·0	22nd	295·1	292·5	9th	300·3	*299·0*	0·0	0	— 11
	Vigan	17 34	120 23	12·2	..	1012·7	+ 0·6	304·2	307·4	26th	294·7	291·8	9th	299·5	299·2	+0·6	8	+ 3
	Manila	14 35	120 59	14·2	..	1013·3	+ 1·0	304·8	306·7	29th	293·0	288·6	8th	298·9	*298·1*	—0·2	25	+ 14
	Ormoc	11 0	124 36	5·6	1010·5	1011·2	+ 0·8	304·5	305·9	1st	294·5	291·8	10th	299·5	*299·1*	+1·1	117	+ 7
	Guam, Ladrone Is.	13 24	144 38	12·5	1008·0	1009·6	— 0·5	301·4	303·4	6th, 29th	296·6	295·0	7th	299·0	*298·7*	—0·4	49	— 27
		N.	E.															

Between Latitude 10° N. and 0°.

FEBRUARY—ZONE 8.

		N.	W.															
	Fanning Island	3 55	159 23	3·1	..	..	..	303·7	305·8	14th	297·2	294·7	24th	300·4	*300·0*	+0·5	367	+ 87
	Colon	9 23	79 23	11·0	..	1011·7	— 0·3	302·8	303·6	26th	297·8	295·2	25th	300·3	*299·9*	+0·9	14	— 28
	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	68	+ 10
	Merida, Venez.	8 36	71 9	1641	‡841·9	..	..	296·7	299·5	26th	287·3	285·0	9th	292·0	*291·0*	..	47	..
	El Peru, Guayanavieja	7 19	61 49	220	?984·7	?1009·7	— 1·6	..	..	..	..	..	..	..	‡*1296·3*	+1·4	142	+ 67
	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·7	+ 0·2	301·6	302·4	9, 12, 28	296·5	294·1	14th	299·1	*298·9*	0·0	162	+ 14
	Paramaribo	5 49	55 9	3·7	‡1013·1	‡1013·5	+ 0·3	301·7	303·3	4th	295·5	292·8	15th	298·6	*297·9*	—0·2	103	+ 76
	Cayenne	4 56	52 21	6	..	..	..	302·5	305·0	21st	294·3	293·0	sev. dates	298·4	*297·0*	—1·0	277	— 35
	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Freetown, Sierra Leone	8 29	13 9	68·3	1003·2	1011·1	+ 0·3	305·6	310·2	24th	296·5	294·7	2nd, 3rd	301·1	*299·9*	+0·2	0	..
	Cape Coast	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	0	— 8
	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	..	..	..	..	..	..	22	— 4
	Lagos	6 27	E 3 24	4·6	1010·4	1010·9	—0·9	304·9	308·8	..	297·2	294·2	..	301·1	*300·6*	+0·2	3	— 20
	Zungeru	9 48	6 10	130	..	..	..	309·3	313·6	24th	292·9	289·1	1st	301·1	*301·0*	—0·5	0	— 50
	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	0	— 1
	Yola	9 12	12 30	259	..	..	..	307·9	313·0	23rd, 24th	..	..	..	..	..	..	..	..
	Wau	7 42	28 3	440	..	..	..	309·1	314·5	25th	292·5	287·5	1st	300·8	*299·9*	—0·1	0	0
	Malakal (Kodok)	9 35	31 37	394	964·7	1008·8	+ 0·7	308·3	314·0	24th	292·9	289·0	13th, 14th	300·6	*299·0*	..	1	+ 1
	Mongalla	5 11	31 47	439	958·3	1006·4	0·0	?310·6	?315·0	23rd	..	..	..	..	‡*302·0*	..	4	— 15
	Entebbe	0 5	32 29	1171	883·0	1008·9	— 0·1	300·4	303·0	26th	290·3	288·0	12th	295·4	*294·6*	+0·2	35	— 50
	Miniioy	8 17	72 49	2·1	1014·1	1014·3	+ 1·4	..	..	..	..	..	..	..	..	..	11	— 5
	Colombo Observatory	6 54	79 53	7·3	..	1012·0	+ 1·0	304·1	306·2	26th	294·9	291·2	22nd	299·5	*299·0*	0·0	85	+ 40
	Nuwara Elija	6 59	80 47	1886	815·3	1016·8	..	294·7	297·1	14th	277·3	270·8	23rd, 24th	286·0	*285·9*	—1·2	27	— 24
	Trincomalee	8 34	81 14	30·2	..	1012·7	+ 1·6	304·2	305·7	17th	296·9	295·0	15th	300·6	*300·1*	+0·7	17	— 35
	Kuta Raja	5 32	95 20	7·1	..	..	..	..	..	..	..	..	..	..	..	..	134	+ 45
	Medan	3 35	98 41	25·0	..	..	..	..	..	..	..	..	..	..	..	..	102	+ 9
	Penang	5 34	100 20	5·0	..	..	..	305·1	306·9	27th	294·9	294·1	9, 13, 14	300·0	*299·4*	—0·7	199	+125
	Singapore	1 17	103 51	3	1010·5	1010·8	+ 0·3	304·2	306·1	10th	296·1	294·7	16th	300·1	*299·6*	+0·4	175	+ 7
	Sandakan	5 50	118 7	31·7	..	..	..	302·8	303·6	2, 9, 22	296·9	295·8	11th, 21st	299·8	*299·4*	+0·1	140	—104
	Tawahig	9 44	118 38	13·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Tagbila

FEBRUARY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	303·0	307·2	5th	296·1	294·8	13th	299·6	*298·8*	—1·1	266	+ 59
926	Taperinha	2 30	54 20	20·0	1008·2	1010·5	— 0·9	301·6	303·6	5th	295·4	294·2	7th, 11th	298·5	*297·9*	+0·3	258	..
927	Turyassu	1 43	45 26	15·1	1008·2	1010·0	— 1·0	304·3	306·5	24th	296·1	293·4	5th	300·2	*299·7*	+1·0	192	— 117
928	Barra do Corda	5 30	45 16	81·0	999·7	1009·0	— 1·3	..	..	..	294·5	293·2	24th	..	*298·4*	+0·4	149	— 30
929	Quixeramobim	5 16	39 15	207	987·3	1010·3	— 0·8	306·8	308·2	25th	298·8	298·3	1st, 16th	302·8	*302·1*	+1·6	6	— 95
930	Fernando Noronha	3 50	W32 25	106	999·6	1011·4	— 0·4	301·5	302·3	28th	297·4	294·7	14th	299·4	*299·0*	..	49	— 62
939	Loanda	8 49	E13 13	59·3	..	1011·3	+ 0·6	301·3	303·0	12th	296·7	295·0	14th	299·0	298·8	0·0	0	— 50
940	Brazzaville	4 17	15 16	320	974·7	1010·5	— 1·0	304·2	309·0	21, 22, 23	295·3	293·0	10th	299·7	*299·1*	+0·4	40	— 02
943	Masaka	0 21	31 47	‡1280	..	..	..	301·6	304·7	10th	290·1	288·6	5th	295·9	*294·4*	+1·2	14	— 41
944	Nairobi	1 14	36 44	1800	..	..	..	300·2	301·3	4th, 10th	..	..	..	..	‡*291·1*	—0·7	3	— 66
944a	Zanzibar	6 10	39 11	21·9	1011·0	1013·4	+ 0·3	303·7	304·6	16th	299·9	299·6	9th	301·8	*301·3*	+0·2	0	— 55
945	Lamu	2 16	40 50	3·1	..	..	..	302·4	303·0	16th, 27th	299·2	298·6	1st, 16th	300·8	*300·5*	+0·3	0	— 109
947	Seychelles, Port Office	4 37	55 27	4·6	1011·8	1012·4	+ 1·0	302·1	303·3	..	298·7	297·3	..	300·4	*299·8*	+0·6	162	..
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	214	— 40
958	Batavia	6 11	106 50	8·0	1009·7	1010·6	+ 0·6	302·4	304·9	14th	296·0	295·1	6th, 8th	299·2	298·8	+0·3	231	— 95
958a	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	153	— 5
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	408	+153
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	529	+ 70
962	Amboina	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	70	— 47
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	269	+ 23
965	Daru	9 4	143 13	7·6	..	1009·9	+ 0·9	300·5	..	..	..	..	..	..	..	..	342	+ 70
966	Port Moresby	9 29	147 9	39·0	..	1010·6	+ 1·7	303·3	..	..	296·9	..	..	300·1	*299·7*	—0·4	435	+ 200
967																		
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	896	+421
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1006·4	1006·6	— 1·2	303·8	305·6	1st	297·6	296·1	27th	300·7	*300·4*	0·0	328	+179
970	Ocean Island	0 52	169 35	54·0	1000·0	1006·2	— 1·7	303·0	305·8	11th	296·8	294·7	15th, 26th	299·9	*299·3*	—1·0	407	..
		S.	E.															

FEBRUARY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1007·6	— 0·8	302·9	304·8	9th	296·9	295·1	8th	299·9	299·9	+0·8	286	—153
1003	Aloñi, Niue Island	19 2	169 55	36·6	..	..	..	304·3	306·9	29th	296·1	294·1	2, 3, 20	300·2	*299·9*	+0·4	306	+ 44
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	761·0	..	— 0·1	291·6	294·7	28th	283·5	281·9	2nd	287·5	*286·9*	—0·2	115	+ 71
1022	Puerto de Arica	18 28	70 20	5	..	..	..	298·6	299·4	sev. dates	292·6	291·2	24th	295·6	..	+0·9	0	..
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	729·1	..	..	290·4	296·5	16th	282·1	280·4	3rd	286·3	*286·1*	..	90	— 29
1025	Corumba	18 59	57 39	116	995·1	1008·2	— 1·1	303·9	307·0	27th, 28th	295·9	294·2	6th	299·9	*299·2*	—0·3	106	— 52
1026	Cuyaba	15 36	56 6	165	989·8	1008·4	— 0·7	304·2	307·4	27th	295·6	294·1	1st	299·9	*299·4*	—0·8	118	+ 35
1027	Bello Horizonte	19 55	43 57	857	917·9	1012·3	— 0·6	300·0	303·2	22nd	290·8	289·0	4th	295·4	*294·8*	—0·5	255	+ 54
1028	Caetite	14 3	42 37	900	914·5	1012·4	+ 0·1	301·4	304·3	26th	291·5	289·7	12th	296·4	*296·7*	+1·1	101	— 35
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·5	1011·9	— 1·0	302·8	303·5	sev. dates	296·4	294·6	20th	299·6	*298·9*	—0·1	22	— 106
1030	Aracaju	10 54	37 3	4·0	1012·4	1012·8	— 0·3	302·7	303·5	16th	295·4	294·8	21st, 29th	299·1	*300·2*	0·0	18	— 68
1035	St. Helena	15 57	W 5 40	‡579	945·2	1011·0	+ 0·8	298·3	300·2	16th	289·1	288·0	3rd	293·7	*293·4*	+1·6	29	..
1039	Mossamedes	15 11	E 12 10	12·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1042	Gwelo	19 28	29 48	1417	859·4	1008·9	— 0·8	300·8	305·2	7th	290·0	286·3	4th	295·4	..	+1·5	220	— 53
1043	Salisbury, Rhodesia	17 48	31 5	1457	854·0	1008·2	— 1·6	299·9	303·0	8th	289·1	285·8	6th	294·5	*293·6*	+1·1	245	— 27
1044	Zomba	15 23	35 18	996	905·0	1013·6	— 1·2	301·3	304·1	7th	291·3	289·7	4th, 27th	296·3	*295·3*	+1·1	338	— 218
1045	Antananarivo	18 55	47 32	1400	862·7	1012·7	+ 0·8	298·3	300·3	25th	289·2	286·5	17th	293·7	*292·7*	—0·1	510	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·1	1011·6	+ 0·8	302·8	304·1	1st, 26th	297·8	295·1	23rd	300·3	*299·9*	—0·2	216	— 144
1057	Christmas Island	10 25	105 43	5·5	1007·7	1008·3	+ 0·9	304·1	305·8	..	297·1	295·8	..	300·6	*299·7*	+0·2	164	— 47
1061	Kupang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	378	— 117
1061a	Derby	17 18	123 40	16·2	1007·1	1009·1	+ 1·6	308·3	313·3	19th	299·1	295·4	7th	303·7	..	+0·7	37	— 36
1062	Hall's Creek	18 13	127 46	374	967·5	1008·3	+ 1·0	311·4	314·1	4th	295·4	288·6	9th	303·4	*303·0*	+0·5	26	— 37
1063	Darwin	12 28	130 51	29·6	1003·9	1007·2	+ 0·8	304·6	307·4	21st	297·8	295·5	19th	301·2	*300·2*	—0·4	291	— 111
1064	Daly Waters	16 16	133 23	211	982·5	1005·8	+ 0·4	308·8	311·9	21st, 23rd	295·9	290·2	9th	302·3	*301·9*	—0·3	51	— 210
1065	Mein	13 13	142 47	122	993·7	1007·3	+ 0·7	305·1	308·0	27th	295·0	291·1	20th, 21st	300·1	..	—0·2	62	— 145
1066	Georgetown, Queensland	18 22	143 32	302	975·6	1009·2	+ 1·6	305·2	307·6	19th	294·7	290·5	16th	300·0	..	—0·7	63	..
1067	Samarai	10 37	150 40	15·2	..	..	..	304·3	..	..	298·9	..	..	301·6	*301·3*	+0·9	313	+ 90
1072	Suva, Fiji	18 8	178 26	17·7	1003·5	1005·5	— 3·4	302·4	304·7	28th	296·6	293·6	22nd	299·5	*299·2*	—0·4	310	+ 53
		S.	E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

FEBRUARY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
251	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	296·2	294·1	10th	..	..	..	347	+ 93
252	Punta Tortuga, Coquimbo	29 56	71 21	27	1010·6	1013·8	— 0·4	293·7	295·4	3rd	288·8	286·9	20th	291·3	*290·8*	+0·8	1	+ 1
253	Iquique	20 12	70 11	9	1011·0	1012·0	— 1·4	297·4	299·3	17th	292·5	290·2	23rd	294·9	*294·4*	+0·3	0	0
254	Catamarca	28 27	65 47	510	949·4	1005·7	— 1·5	305·0	313·8	15th	293·2	289·5	21st	299·1	298·4	—0·6	166	+103
255	Salta	24 46	65 28	1178	881·7	1009·4	+ 0·4	299·7	304·8	16th	290·0	286·5	12th	294·9	294·5	+0·2	282	+157
256	Goya	29 9	59 15	26	1006·5	1009·5	— 1·0	305·5	311·5	14th	293·4	289·4	7th	299·5	298·7	+0·5	161	+ 61
257	Asuncion	25 21	57 37	95	‡1000·0	‡1010·8	— 0·9	308·2	312·5	16th	295·0	292·0	7th	301·6	299·9	—0·1	131	+ 14
258	Curityba	25 25	49 17	908	911·9	1011·4	— 2·6	300·1	304·7	21st	289·4	286·4	11th	294·8	*293·2*	+0·1	184	+ 43
259	Rio de Janeiro	22 54	W43 10	61·4	1004·0	1012·6	— 1·2	302·4	308·0	29th	296·3	294·9	8th	299·4	298·9	+0·5	133	+ 18
260	Windhoek	22 35	E17 5	1680	..	..	..	300·7	303·7	20th	289·7	286·7	14th	295·2	*295·2*	+0·1	56	— 18
261	Kimberley	28 42	24 47	1202	880·5	1009·6	— 0·4	300·3	305·7	18th	290·2	287·6	12th	295·3	294·8	—1·5	170	+ 99
262	Johannesburg	26 11	28 4	1806	822·7	1011·4	— 0·5	298·0	303·1	18th	286·7	282·9	3rd	292·3	*291·8*	+0·7	42	— 91
263	Pretoria (Brooklyn)	25 46	28 13	1400	861·2	1009·9	— 0·2	300·8	303·1	27th	288·5	285·2	3rd, 4th	294·7	*294·2*	+0·3	105	..
264	Bulawayo	20 9	28 35	1340	865·8	1008·4	— 1·0	299·6	303·1	7th	289·9	285·7	6th	294·7	*294·2*	+0·5	183	+ 81
265	Durban	29 52	31 3	15·2	1012·8	1014·6	— 1·1	300·3	302·2	26th, 29th	294·3	292·7	24th	297·3	*296·8*	—0·3	281	+156
266	Lourenço Marques	25 58	32 36	59	..	1012·3	— 0·5	303·5	308·2	23rd	295·1	292·5	12th	299·3	298·9	+0·5	303	+178
267	Mauritius	20 6	57 33	55·2	1003·6	1009·9	— 1·1	301·9	303·5	21st	295·2	292·7	9th	298·5	298·1	—0·7	337	+124
268	Onslow	21 43	114 57	4·3	1005·9	1006·7	+ 0·1	309·8	317·3	12th	296·8	294·6	3rd	303·3	..	+0·5	1	— 24
269	Peak Hill	25 38	118 47	588	943·4	1007·4	+ 0·9	309·4	315·3	15th	296·9	290·5	28th	303·2	..	+0·3	29	— 2
270	Nullagine	21 53	120 5	386	965·0	1006·5	+ 0·1	313·2	318·4	4th	297·1	294·2	14th, 15th	305·2	..	+1·1	21	— 34
271	Laverton	28 40	122 23	466	960·1	1011·3	+ 0·4	307·9	316·9	14th	293·2	285·8	29th	300·6	*300·4*	+0·5	13	— 16
272	Alice Springs	23 38	133 37	587	944·7	1008·3	+ 0·1	307·6	313·0	23rd	290·6	283·0	8th, 9th	299·1	300·4	—1·7	0	— 42
273	William Creek	28 55	136 21	760·2	1003·0	1011·5	+ 0·9	309·7	314·7	16th, 23rd	293·9	286·9	7th	301·8	*301·5*	+0·7	1	— 10
274	Thargomindah	27 58	143 43	123	995·8	1009·4	+ 0·6	308·2	313·7	18th	296·3	287·6	7th	302·2	*301·9*	—0·2	33	— 9
275	Mitchell	26 32	147 52	336	973·3	1010·1	..	305·0	310·5	25th, 28th	291·8	284·7	8th	298·4	..	—0·1	174	+ 88
276	Rockhampton	23 24	150 30	11·3	1009·6	1010·8	+ 0·7	304·0	309·3	29th	294·3	291·3	13th	299·2	..	—0·5	39	—157
277	Brisbane	27 28	153 2	41·7	1008·5	1013·2	+ 0·6	301·4	306·6	24th	292·3	290·4	11th	296·9	*296·3*	—0·8	26	—131
278	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
279	Norfolk Island	29 4	167 59	15·2	1009·1	1010·9	— 1·9	297·6	299·9	18th	293·2	288·6	27th	295·4	*295·0*	0·0	116	— 21
		S.	E.															

FEBRUARY—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
280	Juan Fernandez	33 37	78 50	10	..	..	..	293·4	296·1	24th	288·6	286·4	24th	291·0	*291·2*	—1·0	17	— 13
281	Punta Tumbes	36 37	73 6	91	‡1003·8	‡1014·7	— 0·4	291·3	295·0	1st	284·3	283·0	sev. dates.	287·8	*287·6*	—0·4	1	— 8
282	Punta Angeles, Valparaiso	33 1	71 38	41	1008·2	1013·0	— 1·6	295·9	300·6	28th	286·9	284·0	24th	291·4	*290·9*	0·0	0	0
283	Santiago	33 27	70 42	520	952·6	1011·7	— 0·9	302·3	306·0	13th	284·2	281·2	23rd	293·3	*292·2*	+0·3	0	— 2
284	Cordoba	31 25	64 12	423	963·0	1010·8	+ 0·3	302·8	311·1	..	289·1	284·3	..	295·9	295·2	—0·2	153	+ 43
285	Bahia Blanca	38 45	62 15	25	..	1012·2	+ 1·2	301·2	309·5	14th	288·3	281·0	21st	294·7	294·8	—0·3	37	— 19
286	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1013·2	+ 0·4	300·6	306·4	25th, 28th	290·0	283·4	21st	295·3	295·3	—0·6	55	— 7
287	Montevideo (Prado)	34 52	56 12	24·9	1010·6	1013·5	+ 0·3	299·8	308·1	15th	288·5	281·4	22nd	294·1	294·6	—0·4	31	— 41
288	Porto Alegre	30 2	W51 13	23·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
289	Cape Town	33 56	E 18 29	12·2	..	1013·3	— 0·5	300·0	306·9	2nd	289·3	285·8	22nd	294·7	*293·2*	+0·4	7	— 8
290	Danger Point	34 37	19 18	27·7	1007·5	1010·7	..	294·3	297·4	8th	288·1	285·2	24th	291·2	..	..	23	+ 1
291	Riversdale	34 6	21 16	?61	1002·1	1009·2	..	301·2	313·0	8th	289·4	283·0	24th	295·3	..	..	41	..
292	East London	33 1	27 54	9·8	1011·7	1012·8	— 1·2	297·6	301·9	23rd	291·0	288·0	29th	294·3	..	+0·1	117	+ 36
293	Perth (Observatory)	31 57	115 51	60·0	1006·7	1013·8	+ 0·5	302·3	311·7	8th	289·9	285·9	11th	296·1	*295·5*	—0·3	0	— 12
294	Katanning	33 42	117 35	310	979·3	1015·0	+ 0·9	301·4	309·9	19th	286·3	280·5	11th	293·8	..	—0·4	19	+ 4
295	Coolgardie	30 57	121 10	423	965·4	1012·5	+ 0·1	305·8	315·2	14th	288·8	284·6	6th	297·3	*297·1*	—0·1	18	— 1
296	Esperance	33 45	128 58	4·6	1013·9	1014·5	+ 0·3	296·7	311·9	9th	290·5	285·4	2nd	293·6	*292·9*	—1·1	0	— 16
297	Albany	34 56	138 35	42·7	1010·4	1015·2	+ 0·9	304·2	314·8	16th	288·9	282·8	7th	296·6	*296·1*	+0·2	2	— 15
298	Adelaide	34 56	138 35	42·7	1010·4	1015·2	+ 0·9	304·2	314·8	16th	288·9	282·8	7th	296·6	*296·1*	+0·2	2	— 15
299	Melbourne	37 49	144 58	35·1	1010·9	1015·0	+ 0·5	299·7	313·6	16th	287·6	280·7	25th	293·7	*293·3*	+1·0	15	— 29
300	Bourke	30 13	145 58	110	1002·4	1014·9	+ 0·8	308·9	315·8	17th	293·8	286·3	7th	301·3	..	0·0	9	— 34
301	Sydney	33 51	151 13	44·5	1010·0	1015·1	+ 1·0	298·6	303·4	5th	290·6	285·4	7th	294·6	*294·4*	—0·2	47	— 61
302	Lord Howe Island	31 20	159 0	4·6	1013·3	1013·9	— 0·4	298·0	300·2	29th	291·8	287·9	28th	294·9	..	—0·7	28	— 99
303	Auckland	36 50	174 50	38·1	..	1013·2	..	295·4	298·3	20th	289·4	284·1	11th	292·4	..	0·0	117	+ 40
304	Napier	39 32	176 53	21·3	..	1014·3	— 0·9	295·6	301·9	9th	287·1	281·3	12th	291·3	..	—0·3	46	— 19
		S.	E.															

Between Latitude 40° S. and 50° S.

FEBRUARY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
305	Chatham Island	43 52	170 42	104	..	1013·0	..	..	..	..	..	..	..	..	..	..	38	— 29
306	Isla Guafo	43 34	74 45	140	1000·0	1016·8	+ 0·2	287·4	290·0	26th	283·3	280·0	18th	285·3	*285·2*	—0·4	35	— 25
307	Punta Galera	40 1	73 44	40	1011·5	1016·3	+ 0·1	287·8	291·4	24th	283·3	281·2	10th	285·5	*285·7*	—1·0	15	— 61
308	Carmiento	45 30	69 0	274	..	1008·6	..	298·0	306·6	10th	282·7	277·0	16th	290·3	290·0	—0·2	3	— 8
309	Punta Madryn	42 49	W64 58	14	..	1011·4	..	301·1	308·4	11th	286·8	280·7	10th	293·9	292·5	0·0	13	+ 2
310	Launceston	41 27	E147 10	10·1	1011·8	1012·9	— 1·2	298·3	303·8	13th	284·8	279·7	24th	291·6	*290·3*	+0·3	7	— 21
311	Hobart	42 53	147 20	53·9	1006·0	1012·4	— 0·9	295·2	305·2	16th	285·6	279·2	29th	290·4	*289·1*	+0·5	6	— 31
312	Invercargill	46 25	168 21	5·5	..	..	..	292·6	304·1	6th	282·1	274·7	22nd	287·3	..	+0·6	12	— 61
313	Dunedin	45 52	170 31	91·4	..	1013·8	+ 0·7	293·6	305·2	6th	283·1	277·4	21st	288·3	..	+1·1	24	— 44
314	Christchurch	43 31	172 39	7·6	..	1013·6	— 0·9	292·9	304·1	9th	284·6	278·6	24th	288·8	..	—0·1	88	+ 42
315	Wellington	41 16	174 46	2·4	..	1014·6	— 0·5	294·0	299·6	9th	286·9	279·5	22nd	290·4	..	+0·5	150	+ 70
		S.	E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

FEBRUARY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	998·2	1004·9	+ 2·9	283·5	286·2	4th	278·5	277·0	sev. dates	281·0	*281·4*	−0·5	258	+ 5
1422	Puerto de Punta Arenas	53 10	70 54	4	1001·0	1001·5	+ 2·3	288·9	293·5	3rd	279·5	276·0	17th	284·2	*284·3*	+0·5	15	− 15
1423	Punta Dungeness	52 24	68 26	5	1001·0	1001·6	+ 1·5	288·6	292·2	4th	281·4	279·0	sev. dates	285·0	*285·0*	+0·3	14	− 5
1424	Santa Cruz	50 11	68 21	12	1003·7	1005·1	− 0·5	294·2	304·2	10th	282·6	276·8	16th	288·4	288·0	+0·6	5	+ 20
1424*a*	Año Nuevo	54 39	64 8	50	992·2	998·2	+ 1·9	285·4	288·8	3rd	278·2	274·5	7th	281·8	282·0	+0·1	89	
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	77	+ 19
1426	Cape Pembroke	51 41	57 42	21	..	1001·0	− 0·3	285·7	290·2	4th	278·7	275·8	18th	282·2	282·5	−0·3	..	..
1429	S.Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..

FEBRUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	990·0	990·9	− 0·5	274·7	280·0	6th	271·4	269·0	29th	273·1	273·0	−0·4	19	− 20
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—FEBRUARY, 1920.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	17½h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	Calm	3·3	E	ENE 2 Calm 0	E 1 S 2	ESE	Calm 0	NW 4 N 2	Calm 0
2	SSE	4·2	E	NE 4 Calm 0	W 1 S 1	ESE	Calm 0	Calm 0 W 1	Calm 0
3	SE	5·8	E	Calm 0 Calm 0	E 2 SE 2	E	Calm 0	W 4 W 1	Calm 0
4	SE	6·8	E	Calm 0 SSW 2	N 1 SW 2	NE	Calm 0	ESE 4 E 2	Calm 0
5	SE	9·5	NE	Calm 0 SW 1	W 1 SE 2	SE	Calm 0	NNE 3 N 1	Calm 0
6	SE	8·7	NE	Calm 0 SW 1	S 1 SW 2	SE	N 2	ENE 4 ENE 4	Calm 0
7	SE	7·3	NE	Calm 0 Calm 0	E 1 W 1	NE	NW 6	ESE 4 E 3	Calm 0
8	SSE	7·7	NE	W 2 SW 2	SW 1 W 2	NE	NW 4	SE 4 NE 4	Calm 0
9	SE	7·1	E	SW 1 SW 1	N 2 E 2	NE	Calm 0	NE 4 N 5	Calm 0
10	SE	—	E	WSW 1 W 1	SE 2 S 2	NE	Calm 0	NE 4 NE 3	SW 3
11	SE	—	E	SW 1 SW 1	E 1 E 1	ESE	NW 2	NE 1 W 1	Calm 0
12	SE	8·3	SE	Calm 0 SW 1	E 2 E 2	ESE	NW 4	NE 5 NE 5	Calm 0
13	SSE	6·2	SE	Calm 0 SW 1	W 2 E 2	E	NW 4	NW 5 W 4	Calm 0
14	SSE	5·9	SE	Calm 0 SW 1	E 1 S 2	—	NW 2	NE 3 NE 1	SE 1
15	SSE	4·2	SE	SW 1 SW 1	E 1 SW 2	NNE	NW 4	E 6 NE 5	NE 0
16	SE	—	NE	SW 6 SW 6	W 1 E 1	NE	NW 2	N 2 NW 4	Calm 0
17	SE	—	NE	Calm 0 SW 1	SE 1 SE 1	ENE	Calm 0	NE 4 NE 3	E 2
18	SE	—	NE	SW 1 SW 6	SE 1 S 1	E	NW 2	W 5 W 5	SE 3
19	SE	—	NE	SW 1 SW 5	S 1 SE 1	NE	NW 2	NW 4 NW 5	SE 3
20	SE	—	NE	SW 1 SW 2	SE 1 S 2	ESE	NW 2	NW 6 NW 4	SE 4
21	SE	—	NE	SW 1 Calm 0	W 1 E 1	E	NW 2	NW 4 NW 3	SE 3
22	SE	—	NE	Calm 0 SW 4	E 2 E 2	E	NW 2	NNW 2 NW 2	SE 4
23	SE	5·4	NE	SW 1 Calm 0	E 1 E 1	E	NW 2	NW 5 NNW 3	SE 7
24	SSE	5·5	NE	NE 1 SW 2	E 2 E 2	ENE	NW 4	N 3 NW 3	SSE 7
25	SSE	6·4	NE	Calm 0 SW 3	S 2 E 1	ENE	NW 4	NE 2 NE 3	Calm 0
26	SE	8·0	NE	WSW 1 WSW 6	NW 1 E 1	ENE	NW 4	E 2 W 3	Calm 0
27	SE	8·5	NE	W 2 SSW 5	N 3 SE 2	E	NW 2	NE 3 W 4	Calm 5
28	SE	8·3	NE	Calm 0 SW 7	E 1 S 1	ESE	NW 2	WSW 6 W 3	NE
29	SE	6·2	NE	W 1 WSW 2	N 2 S 2	ENE	Calm 0	NNW 2 NE 1	
Mean	..	6·7	..	1·0 2·1	1·4 1·6	..	2·0	3·6 3·0	1·3
§Resultant	140° (92)	..	65° (84)	230° (55)	130° (41)	80° (85)	315° (67)	360° (47)	130° (39)
§Normal	141° (90)	6·5	‖93° (79)	288° (21)	265° (30)	73° (82)	235° (19)	85° (35)	81° (51)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 2608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—FEBRUARY 1920.

‡‡ *Barents Sea.*—South-westerly winds drove the ice breaker "Solovei," which was stuck fast in the ice east of Cape Kanin, with the ice into the Kara Sea.

‡‡ *Spitsbergen.*—The fjords again froze over and only a few openings were observed.

‡‡ *Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 4 days visible.

‡‡ *Greenland Sea and Denmark Strait.*—Except for a broad land water there was ice everywhere at Angmagsalik.

‡‡ *N. Atlantic and Labrador.*—Forty-three icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being twelve. Floes were numerous. From the 18th to 29th no ice observed.

‡‡ *Isforholdene i de arktiske Have* 1920, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MARCH 1920.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MARCH 1920

BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **MARCH—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1425	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1423	Inglefield Bay	77 27	66 40	?	.. *	..	..	..	..	..	..	..	..	..	..	..	..	..
1425	Upernivik	72 47	W56 7	18·9	997·5	1000·1	−12·3	254·6	266·3	30th, 31st	245·5	240·0	19th, 20th	250·1	*249·3*	−2·4	0	− 17
1309	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	992·3	993·8	−16·9	..	275·0	28th	259·5	240·7	10th	..	263·3	+10·1	20	− 4
1401	Björnöen	74 28	19 15	40·5	987·1	992·2	..	..	..	..	..	..	..	..	*269·0*	..	85	..
1402	Gjesvaer	71 6	25 22	6·5	994·6	995·4	− 0·4	..	281·8	27th	271·1	266·3	1st	..	*273·8*	+4·2	112	+ 65
1403	Mehavn	71 1	27 47	6·4	994·8	995·6	−11·4	..	278·4	22nd	270·2	265·4	1st	..	*273·0*	+4·3	53	− 1
1404	Vardö	70 22	31 8	10·0	996·4	997·7	− 8·1	..	277·0	30th	270·5	266·8	1st	..	*273·1*	+4·8	27	− 24
1507	Malye Karmakouly	72 23	52 43	14·8	995·6	997·5	−13·1	270·3	274·4	30th	264·5	252·7	8th	267·4	*267·6*	+9·6	..	..
1508	Waigatz	70 24	58 47	11·2	..	..	..	269·1	274·0	31st	261·1	248·2	8th	265·1	*265·7*	..	9	..
		N.	E.															

Between Latitude 70° N. and 60° N. **MARCH—ZONE 2.**

1503	Nome	64 30	165 24	6·7	..	1010·1	− 1·3	260·0	274·1	15th	249·1	236·9	27th, 28th	254·6	*254·7*	−5·6	10	− 13
1504	Candle	65 55	161 57	2·4	..	..	..	257·4	271·9	1st, 16th	245·1	233·0	27th	251·3	..	..	..	..
1505	Tanana	65 10	152 6	67·1	..	1012·5	− 4·6	261·0	272·4	1st	247·4	228·0	30th	254·2	*253·9*	−4·0	24	+ 11
1506	Rampart	65 30	150 15	122	..	..	..	260·9	271·9	13th	248·7	230·8	26th	254·8	..	..	14	+ 3
1503	Valdez	61 7	146 16	8·2	..	1006·4	− 3·7	270·8	275·8	8th	260·9	251·9	5th	265·9	*265·9*	−3·4	46	− 34
1504	Eagle	64 46	141 12	254	..	1011·8	− 2·6	265·7	272·4	23rd	250·5	233·0	29th	258·1	..	+0·4	9	− 1
1505	Dawson	64 4	139 20	328	970·7	1014·1	− 3·5	263·0	271·9	23rd	247·4	234·1	29th	255·2	..	−1·8	15	+ 1
1506	Carcross	60 11	134 34	662	..	..	..	270·1	277·4	1st	253·9	240·8	31st	262·0	..	−1·8	4	− 11
1507	Fort Good Hope	66 25	128 53	65·2	1006·3	1015·4	..	256·3	271·3	16th	240·2	227·4	1st	248·3	..	..	15	− 4
1508	Fort Simpson	61 52	121 35	129	997·3	1014·6	..	263·0	274·7	12th, 18th	250·2	233·0	2nd	256·9	..	+3·5	7	− 7
1503	Hay River	60 51	115 20	161	993·4	1015·0	..	260·8	273·6	11th	250·2	238·6	10th	255·5	..	−0·3	13	..
1301	Jacobshavn	69 13	51 2	12·6	995·6	997·3	−12·7	259·6	278·5	31st	249·2	240·5	27th	254·4	*255·1*	−1·7	1	− 11
1302	Godthaab	64 11	51 43	9·0	991·5	992·7	−13·1	260·3	280·0	31st	259·9	250·4	22nd, 26th	263·1	*263·2*	−2·1	..	..
1303	Ivigtut	61 12	48 10	5·0	992·4	993·0	−11·6	268·5	281·4	31st	261·3	253·2	5th	264·9	*265·2*	−3·1	88	+ 2
1304	Angmagsalik	65 37	37 33	31·7	982·8	986·8	−20·0	268·6	275·0	26th	259·7	253·0	6th	264·1	*264·3*	−0·5	132	+ 76
1305	Stykkisholm	65 5	22 46	11·3	988·7	990·1	−15·8	274·7	280·0	20th	267·6	260·8	8th	271·1	270·8	+0·1	81	+ 31
1306	Vestmanno	63 26	20 15	7·7	989·4	990·4	−13·5	276·9	281·7	31st	270·5	261·8	7th	273·7	*273·9*	−0·6	102	− 11
1307	Grimsey	66 33	17 58	22·0	985·9	988·7	−18·3	272·9	278·2	21st	..	..	..	..	*270·6*	+0·9	..	..
1308	Berufjord	64 40	14 19	18·0	990·2	992·4	−13·5	275·1	281·2	20th, 21st	269·5	261·7	8th	272·3	*272·3*	+0·6	27	− 54
1309	Thorshavn	62 3	6 45	26·3	994·2	997·4	− 9·3	279·1	282·0	2nd, 21st	273·8	266·0	7th, 8th	276·5	*276·6*	+0·6	135	+ 11
1310	Lerwick	60 9	W 1 8	18·0	1000·9	1003·0	− 4·0	280·4	282·4	3, 21, 22	276·4	270·8	8th	278·4	*278·7*	+1·7	153	+ 73
1503	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1001·2	1006·7	− 4·0	280·5	287·7	30th	276·0	271·1	8th	278·3	*278·0*	+2·9	303	+182
1504	Christiansund	63 7	7 45	**	..	..	..	..	287·2	30th	274·9	271·5	9th	..	*278·4*	+3·5	120	+ 40
1505	Trondhjem	63 26	10 25	39·5	998·7	1003·6	− 5·6	280·1	286·3	30th	273·4	270·5	12th	276·7	*276·6*	+4·5	58	− 18
1506	Bodö	67 17	14 24	22·4	997·0	999·8	− 7·2	..	282·8	29th	270·5	268·0	31st	..	*275·7*	+4·3	82	+ 22
1507	Haparanda	65 50	24 9	9·2	1003·5	1004·7	− 4·7	274·3	278·5	10th, 23rd	268·0	261·5	3rd, 16th	271·1	*271·4*	+4·3	47	+ 21
1508	Helsingfors	60 10	24 57	11·7	1013·0	1014·4	+ 1·8	276·8	281·5	26th	271·6	266·8	10th	274·2	274·1	+5·9	26	− 9
1509	Kuopio	62 54	27 40	90·3	999·5	1010·8	− 1·2	277·0	282·2	26th	268·5	261·1	16th	272·8	*273·1*	+5·8	34	+ 1
1503	Kola	68 53	33 1	6·7	1000·0	1000·9	− 8·6	275·2	281·5	27th, 31st	267·9	252·4	7th	271·6	*271·7*	+6·6	9	− 2
1504	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1505	Arkhangelsk	64 35	40 36	6·2	1009·1	1009·9	− 2·4	275·0	283·3	27th	266·8	255·4	16th	270·9	*270·7*	+5·5	8	− 12
1506	Mezen	65 50	44 16	12·6	1006·0	1007·6	− 3·1	273·7	282·3	28th	266·8	253·9	5th	270·2	*270·4*	+6·0	4	− 2
1507	Oust-Tsylma	65 25	52 14	? 70	1000·0	1008·9	− 6·3	274·0	282·1	30th	266·7	260·3	15th	270·4	*270·3*	+8·1	9	..
1508	Teherdyn	60 24	56 31	?177	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1503	Berezov	63 56	65 4	39·9	..	..	..	..	281·0	31st	263·0	250·1	18th	..	*?268·6*	+8·0	10	− 4
1504	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1505	Sourgout	61 15	73 24	? 40	1007·5	1012·7	− 6·3	..	276·2	31st	259·9	245·9	9th	..	*265·7*	+5·6	17	+ 5
1503	Doudinka	69 23	86 4	20	1003·9	1006·5	− 6·8	..	270·3	24th	252·5	234·8	19th	..	*256·9*	..	13	..
1504	Touroukhansk	65 47	87 57	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1505	Viliouisk	63 45	121 35	?120	1003·1	1019·2	..	..	274·5	26th	249·5	230·6	19th	..	*256·9*	+3·4	16	+ 8
1506	Iakoutsk	62 1	129 43	108	1001·6	1016·2	− 5·1	..	272·4	31st	247·0	228·4	15th	..	*254·0*	+4·2	12	+ 7
1507	Verkhoïansk	67 33	133 23	100	997·1	1010·9	− 6·3	..	273·0	31st	238·6	222·3	2nd	..	*247·1*	+5·6	..	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

** Height changed from 17·8 m. to 5·7 m.

MARCH—ZONE 3.

RÉSEAU MONDIAL.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1006·4	— 0·9	273·7	276·9	1st	269·7	260·8	30th	271·7	..	..	..	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1010·8	+ 4·0	278·6	284·7	14, 24, 26	272·6	264·7	30th	275·6	..	+2·3	..	..
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	272·2	278·6	7th	262·4	251·3	28th	267·3	..	..	30	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1007·4	0·0	275·5	280·8	25th	270·2	264·7	24th	272·9	..	..	‡19	−68
309	Sitka	57 3	135 19	27·4	..	1007·1	— 4·9	278·4	283·6	1st	271·1	265·2	31st	274·8	*274·3*	−1·1	134	+ 2
310	Prince Rupert	54 18	130 18	51·8	999·3	1005·7	— 6·7	278·0	281·3	2nd, 13th	273·6	269·7	2nd, 31st	275·8	*275·7*	−0·5	149	+ 42
311	Barkerville	53 2	121 35	1274	860·0	1006·8	— 8·6	274·1	279·7	20th	264·7	250·2	3rd	269·4	*269·1*	−0·2	92	− 3
312	Kamloops	50 42	120 29	385	967·5	1014·5	— 4·2	281·9	289·1	20th	271·3	262·4	1st	276·6	*276·6*	+0·5	5	
313	Calgary	51 2	114 2	1045	886·4	1010·1	— 6·7	275·2	286·3	20th, 21st	261·9	243·0	6th	268·6	*267·7*	−0·6	9	− 6
314	Fort Chipewyan	58 42	111 10	218	984·6	1013·2	..	265·2	276·3	16th	251·9	238·0	2nd	258·6	*259·4*	+0·5	9	+ 11
315	Prince Albert	53 10	105 38	442	956·6	1012·8	— 4·0	270·8	280·8	12th, 21st	258·0	241·3	3rd, 4th	264·4	*263·9*	+2·5	33	+ 10
316	Qu'Appelle	50 30	103 47	645	931·1	1011·7	— 5·2	270·2	281·3	22nd	259·1	241·9	4th	264·7	*263·9*	+0·6	41	+ 7
317	Minnedosa	50 15	99 50	515	947·4	1012·2	— 6·5	269·7	283·0	22nd	256·3	239·7	5th	263·0	*262·3*	−0·6	24	..
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	..	..	..	..	..	..	..
318*a*	Port Nelson	57 4	92 36	14·9	1010·1	1012·1	— 4·6	259·7	274·7	27th	248·6	237·4	10th	254·1	..	+0·5	41	+ 22
319	Fort Hope	51 33	87 49	‡260	?975·6	?1009·1	..	?268·6	?283·6	22nd	?254·7	?238·0	1st	?261·6	*262·0*	+2·1	..	..
320	Moose Factory	51 14	80 30	9·1	1011·3	1012·5	— 5·8	269·1	281·9	25th	253·0	235·8	2, 3, 7	261·1	..	−0·2	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	263·0	281·9	16th	249·1	233·0	6th	256·1	*256·0*	..	..	+ 10
322	Mistassini Post	50 15	73 55	383	..	..	..	269·4	286·9	25th	253·7	233·6	2nd	261·6	..	+2·4	59	
323																		+ 45
324	Natashquan	50 8	61 48	6·1	..	..	..	270·6	283·6	27th	256·6	240·2	2nd	263·6	..	−0·1	30	
326	Belle Isle	51 53	55 23	133	..	..	..	..	..	..	..	..	..	..	..	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1009·6	1011·3	— 1·5	283·7	285·8	19th	277·9	274·1	7th	280·3	280·4	+0·2	161	+ 49
335	Aberdeen	57 10	W 2 6	26·8	1002·8	1006·1	— 3·4	281·6	288·0	3rd	275·9	270·2	7th	278·8	278·9	+1·6	69	+ 9
336	Greenwich	51 28	0 0	46·3	1008·1	1013·8	+ 0·9	286·2	291·9	21st	276·4	270·2	8th	281·3	281·0	+2·5	35	
337	Uccle	50 48	E 4 22	100	1003·9	1016·1	+ 1·5	285·8	295·4	29th	276·9	272·1	8th	281·4	280·9	+3·1	29	− 20
338	De Bilt	52 6	5 11	3·0	1014·5	1014·9	+ 1·4	284·9	294·2	30th	275·7	271·0	8th	280·3	280·3	+3·3	19	− 35
338*a*	Hamburg	53 33	9 58	26·0	1012·3	1015·6	+ 3·1	284·0	290·8	29th	276·4	271·2	12th	280·2	*279·9*	+3·7	24	− 30
339	Copenhagen	55 41	12 36	5·0	1014·0	1014·6	+ 2·3	280·4	284·0	27th	275·5	271·3	9th	277·9	*277·8*	+3·4	17	− 31
340	Potsdam	52 23	13 4	84·9	1006·3	1016·8	+ 3·5	285·1	293·6	6th	275·5	269·0	10th	280·3	279·9	+3·2	11	− 37
340*a*	Uppsala	59 51	17 38	24	1008·8	1011·8	+ 0·3	280·3	287·7	22nd	272·6	267·6	10th	276·4	276·2	+5·6	20	− 17
341	Warsaw	52 13	21 1	133	1002·8	1019·2	+ 5·1	282·0	290·3	7th	274·2	270·0	11th, 15th	278·1	278·0	+3·9	27	− 6
342	Dorpat (Jurjev)	58 23	26 43	74·5	1007·8	1017·2	+ 4·1	279·0	286·3	26th	271·2	266·1	16th	275·1	274·6	+4·8	18	
343	Petrograd	59 56	30 16	4·8	1015·1	1015·7	+ 2·9	277·3	285·4	31st	270·5	264·9	15th	273·9	*273·8*	+5·5	19	− 8
344	Kiev	50 27	30 30	183	998·3	1021·2	+ 5·2	279·3	290·3	9th	273·2	268·4	15th	276·2	*275·9*	+3·9	34	− 17
344*a*	Moscow	55 50	37 33	167	999·5	1020·6	+ 3·5	277·1	285·5	31st	268·3	258·8	17th	272·7	*272·5*	+4·4	14	..
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1010·7	1020·9	+ 2·5	275·2	283·5	30th	267·0	259·9	18th	271·1	*270·5*	+4·4	14	− 14
347	Orenburg	51 45	55 6	109	1008·3	1022·4	+ 0·9	271·4	277·6	31st	263·1	250·4	24th	267·2	*267·5*	+2·9	10	0
348	Perm	58 1	56 16	159	997·9	1018·1	— 0·3	..	281·8	29th	265·7	258·1	14th	..	*270·1*	+4·2	29	
349	Ekaterinburg	56 50	60 38	281	982·4	1017·8	— 3·2	275·0	285·4	29th	266·4	259·8	14th	270·7	*270·4*	+5·0	3	− 7
350	Tobolsk	58 12	68 14	?108	1003·0	1016·9	— 3·9	..	277·9	10th, 27th	264·5	256·3	18th	..	*268·5*	+4·6	6	− 10
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	1002·7	1023·6	— 4·6	..	279·2	15th	262·6	249·9	1st	..	*267·2*	+4·6	27	+ 15
354	Tomsk	56 30	84 58	122	1003·5	1019·3	— 5·4	..	275·8	15th	262·0	249·7	19th	..	*266·5*	+3·8	43	+ 20
355	Minousinsk	53 43	91 41	249	..	..	..	..	..	..	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 10	77·6	1007·8	1017·9	— 5·8	..	275·8	11th	259·3	243·0	31st	..	*265·1*	+2·1	13	+ 1
357	Irkutsk	52 16	104 19	467	964·0	1023·2	— 3·9	..	280·9	17th	259·6	250·4	25th	..	*266·3*	+2·5	3	− 5
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	674	935·8	1020·8	— 3·2	..	281·0	18th	258·3	245·2	4th	..	*265·8*	+5·0	5	+ 2
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	971·0	1020·3	..	269·3	278·4	30th	251·0	237·1	5th	260·2	*260·6*	..	12	− 5
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	1001·6	1020·0	+ 2·1	271·7	282·8	28th	259·2	243·6	6th	265·4	*265·5*	+2·0	5	
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1011·9	1013·6	+ 6·8	270·0	277·0	10th	259·0	249·6	2nd	264·5	*264·3*	..	15	..
369																		
371	Attu Island	52 56	173 13	4·9	..	1009·5	+ 5·8	275·2	279·1	4th	268·5	264·7	1st	271·8	..	..	69	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

MARCH 1920.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

MARCH—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
611	Victoria, B.C.	48 24	123 19	70·1	1003·4	1012·0	— 3·8	283·0	288·0	20th	276·3	273·0	31st	279·7	279·2	+0·8	58	− 7
612	Portland, Oregon	45 32	122 41	46·6	1009·4	1014·9	— 2·0	284·6	289·7	22nd	276·8	273·0	1st	280·7	*280·4*	−0·5	100	− 23
613																		
614	Macleod	49 44	113 24	953	..	..	..	275·0	291·3	22nd	267·2	244·1	6th	271·1	*271·1*	+1·5	13	− 5
615	Helena	46 34	112 4	1253	867·3	1012·5	— 4·4	276·4	287·4	21st	266·2	244·1	6th	271·3	*270·9*	−1·7	32	+ 13
616	Salt Lake City	40 46	111 54	1329	863·5	1012·5	— 2·6	281·6	293·0	21st	272·4	266·9	31st	277·0	*276·9*	−1·3	97	+ 44
617	Cheyenne	41 8	104 48	1856	805·2	1010·8	— 4·2	278·8	289·1	14th	266·6	247·4	6th	272·7	*272·9*	−0·7	17	− 7
618	North Platte	41 8	100 45	859	911·1	1011·8	— 4·8	284·3	297·4	22nd	268·3	248·0	7th	276·3	*276·0*	+1·2	10	− 12
619	Bismarck	46 47	100 38	511	949·8	1012·2	— 6·5	276·1	290·8	30th	263·2	245·8	7th	269·7	*269·3*	+1·7	31	+ 5
620	Winnipeg	49 53	97 7	232	984·4	1014·3	— 4·5	271·3	283·0	23rd	259·1	244·7	6th	265·2	*264·7*	+2·0	37	+ 9
621	Duluth	46 47	92 6	345	967·7	1010·1	— 7·6	273·7	286·9	22nd	264·9	248·0	6th	269·3	*268·8*	+0·5	58	+ 17
622	Port Arthur	48 27	89 12	196	986·0	1010·9	— 6·4	273·6	284·1	23rd	262·4	249·1	6th	268·0	*267·7*	+2·4	37	+ 14
623	Chicago	41 53	87 37	251	982·3	1012·8	— 4·4	282·0	295·8	31st	273·1	256·9	7th	277·6	*277·3*	+2·5	116	+ 54
624	Toronto	43 40	79 24	116	999·3	1013·9	— 3·1	279·1	291·9	26th	269·1	254·7	2nd	274·1	273·3	+2·8	59	− 8
625	New York (Central Park)	40 47	73 58	47·4	1009·9	1013·7	— 2·6	282·5	294·7	31st	272·3	262·4	7th	277·4	277·3	+1·1	121	+ 23
626	St. John, N.B.	45 17	66 4	36·2	1006·5	1011·1	— 2·9	276·3	287·4	25th	267·4	250·2	2nd	271·9	271·5	+0·9	204	+ 80
627	S.W. Point, Anticosti	49 24	63 35	9·1	1005·7	1006·9	— 4·5	270·8	280·8	26th	263·0	246·3	2nd	266·9	*267·1*	−0·7	144	+ 97
628	Sable Island (Main Station)	43 57	60 6	7·6	1012·0	1013·0	— 1·2	276·3	281·9	26th	271·9	264·7	2nd, 3rd	274·1	*273·8*	+0·9	89	− 32
635	Port aux Basques	47 35	59 10	9·1	1008·1	1009·3	— 0·9	272·4	281·9	25th	265·2	249·7	3rd	268·8	*268·7*	−0·1	133	+ 15
636	St. John's, Newfoundland	47 34	52 42	38·1	1002·9	1007·7	— 1·9	276·9	290·2	27th	268·6	257·4	4th	272·7	*272·7*	+1·7	91	− 33
637	Madrid	40 24	3 41	667	941·4	1019·8	+ 3·6	287·8	295·8	23rd	278·0	271·2	11th	282·9	*282·5*	+1·0	30	− 2
638	Nantes	47 15	W 1 34	36·5	1011·9	1016·4	+ 1·0	286·8	294·0	5th, 22nd	278·0	271·9	9th	282·4	282·1	+1·8	97	+ 30
639	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1010·7	1016·9	+ 1·8	286·9	295·1	28th	276·4	270·2	10th	281·7	281·6	+2·7	28	− 10
639*a*	Marseille	43 18	5 23	75	..	1014·9	+ 2·1	289·8	295·0	20th	278·8	272·4	10th	284·3	*283·9*	+1·7	63	+ 26
640	Zürich	47 23	8 33	493	959·3	1018·3	+ 2·8	286·5	295·5	28th	275·1	266·6	12th	280·8	279·9	+3·0	39	− 34
640*a*	Rome	41 54	12 27	50·6	1009·1	1015·2	+ 2·1	290·0	294·8	4th	280·1	274·7	13th	285·0	*284·6*	+1·5	43	− 26
641	Vienna	48 15	16 22	203	993·6	1018·4	+ 3·8	284·1	291·2	7th	276·1	272·1	11th	280·1	280·2	+3·5	17	− 29
642	Budapest	47 31	19 2	130	1002·4	1018·3	+ 3·2	286·6	296·0	8th	277·0	272·8	2nd	281·8	*281·1*	+3·2	37	− 9
643	Sofia	42 42	23 20	550	953·3	1019·1	+ 4·1	284·5	294·7	7th	275·1	269·8	2nd	279·8	*279·3*	+1·2	59	+ 18
644	Bucharest	44 25	26 5	82	1009·0	1019·1	+ 3·9	285·6	297·7	8th	275·4	269·5	15th	280·5	279·9	+2·0	73	+ 32
645	Odessa (University)	46 26	30 46	42·8	1014·3	1019·7	+ 3·8	280·2	284·8	19th	274·3	269·7	15th	277·2	*276·8*	+1·8	13	− 14
646	Kharkov (University)	50 0	36 14	140	1003·6	1021·1	+ 3·4	278·1	286·1	9th	272·4	267·0	14th	275·2	*274·7*	+3·1	43	+ 8
647	Novorossiisk	44 44	37 49	37·1	1013·4	1018·0	+ 1·7	283·5	289·0	10th	276·2	271·5	2nd, 14th	279·8	*279·6*	+0·6	37	− 21
648	Tiflis	41 43	44 48	404	971·2	1019·9	+ 1·4	285·9	294·2	11th	276·5	271·2	4th, 8th	281·2	*280·6*	+0·9	38	+ 9
649	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
650	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
651	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
652	Aralskoe More	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
653	Tachkent	41 20	69 18	478	963·1	1020·6	+ 0·9	286·2	297·1	15th	275·1	270·1	9th	280·6	*279·9*	−0·8	48	− 19
654	Narynskoe	41 26	76 2	‡2015	795·4	1024·9	..	..	..	277·8	31st	260·2	246·7	2nd	..	*266·1*	−2·6	18	..
655	Vernyi	43 16	76 53	841	..	..	..	..	..	..	..	..	..	..	..	..	..	..
662	Moukden	41 48	123 23	43·8	1018·3	1023·8	+ 2·8	281·7	291·0	18th	268·9	258·6	4th	275·3	274·8	+3·3	3	− 16
663	Joshin	40 40	129 11	31·9	1019·5	1023·6	+ 5·8	277·7	280·9	31st	270·6	260·7	6th	274·1	274·0	+0·4	8	− 16
664	Yuki	42 20	130 24	65·6	1014·8	1023·1	+ 5·3	277·4	282·4	20th	268·7	261·4	7th	273·1	272·7	+1·2	3	− 20
665	Vladivostok	43 7	131 55	128	1006·8	1023·2	+ 4·9	274·8	281·0	31st	267·9	259·6	6th	271·3	271·1	+0·9	6	− 10
666	Ochiai	47 20	142 46	6·6	1018·5	1019·4	+ 6·3	273·6	281·9	22nd	260·8	243·9	4th	267·2	267·9	+2·6	6	− 31
666*a*	Nemuro	43 20	145 35	26·7	1016·3	1019·7	+ 6·2	275·9	285·6	22nd	268·5	259·4	1st	272·2	272·2	+1·6	49	− 8
667	Syana	45 14	147 53	39·3	1014·0	1019·0	+ 6·4	274·7	284·2	22nd	267·0	255·4	2nd	270·9	271·0	+2·2	31	− 37
		N.	E.															

Between Latitude 40° N. and 30° N.

MARCH—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
671	San Francisco	37 48	122 26	47·2	1010·6	1016·9	— 0·6	288·0	293·6	6th	280·8	278·0	26th	284·4	*283·9*	−0·6	83	+ 1
672	San Luis Obispo	35 18	120 39	61·3	1010·1	1017·6	— 0·4	289·8	297·4	12th	278·7	273·6	17th	284·2	*283·6*	−1·3	121	+ 30
673	San Diego	32 43	117 10	26·5	1013·0	1016·2	— 0·6	289·9	298·0	12th	282·3	278·0	18th	286·1	*286·4*	0·0	62	+ 23
674	Modena	37 48	113 54	1670	829·1	1011·8	— 2·5	281·8	290·2	13th	267·8	261·3	27th	274·8	*274·9*	−1·8	47	+ 18
675	Santa Fé	35 41	105 57	2138	781·6	1010·5	— 2·4	282·1	289·1	21st	269·9	258·0	7th	276·0	*275·7*	−1·4	14	− 5
676	Denver	39 45	105 0	1613	830·7	1009·8	— 4·7	282·9	294·1	21st	269·5	253·0	6th	276·2	*276·8*	0·0	16	− 9
677	Abilene	32 23	99 40	530	951·9	1013·2	— 2·1	294·0	303·0	27th	278·7	264·1	6th	286·3	*286·0*	+0·3	0	− 29
678	Saint Louis	38 38	90 12	173	993·2	1014·2	— 3·1	286·3	299·7	27th	275·9	259·1	7th	281·1	*280·4*	+1·0	101	+ 17
679	Mobile	30 41	88 2	17·4	1016·7	1018·6	+ 0·6	291·9	300·2	26th	282·8	269·1	1st	287·3	*287·2*	−0·9	56	−111
680	Nashville	36 10	86 47	166	998·5	1018·6	+ 0·6	287·7	299·7	28th	276·7	263·0	7th	282·2	*282·1*	−0·4	83	− 45
681	Charleston	32 47	79 56	14·6	1017·7	1019·3	+ 1·0	289·5	296·3	27th	281·6	271·9	1st	285·6	*286·2*	−0·8	118	+ 32
682	Washington	38 54	77 3	34·1	1013·0	1017·3	— 0·3	286·5	298·0	29th	274·5	264·7	6th	280·5	*280·4*	+1·7	61	− 37
684	Bermuda	32 17	64 46	46·0	1014·2	1019·7	+ 2·2	293·0	295·8	28th	286·9	284·7	15th, 16th	289·9	*289·8*	−0·5	255	+133
690	Santa Cruz (Flores)	39 27	31 9	28	1024·6	1027·7	+ 5·5	290·0	293·8	29th	284·9	281·0	6th	287·5	*287·5*	+0·5	33	−121
691	Horta	38 32	28 38	65	1020·6	1027·8	+ 5·9	289·6	293·2	29th	285·1	281·6	6th	287·3	287·0	−0·4	41	− 44
692	Ponta Delgada	37 44	25 40	22	1025·4	1027·2	+ 6·0	288·8	290·8	15th	285·1	282·2	6th	286·9	287·0	−0·1	..	..
692*a*	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
693	Madeira (Funchal)	32 37	16 54	25	‡1020·8	‡1023·8	+ 4·9	292·0	299·0	22nd	286·2	283·4	11th	289·1	*289·0*	+0·6	206	− 21
696	Lisbon	38 43	9 9	95	1009·6	1021·1	+ 4·7	289·8	297·0	20th	282·8	277·1	10th	286·3	*286·0*	+0·5	42	+119
696*a*	Gibraltar	36 6	5 21	16·2	1019·3	1021·2	+ 4·1	289·9	294·7	23rd	282·8	276·0	11th	286·3	*286·6*	−0·9	50	− 46
697	Melilla	35 18	2 59	8	1019·3	1020·3	+ 2·4	292·1	299·4	26th	283·4	276·6	10th	287·8	*289·6*	+0·2	38	− 72
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

MARCH—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1014·5	1017·3	+ 2·1	289·0	295·2	19th	280·2	275·4	10th, 11th	285·0	..	−0·9	34	− 5
538	Algiers (Bouzaréah)	36 48	3 2	343	977·6	1018·3	+ 2·7	289·0	298·6	5th	281·3	273·4	10th	285·2	284·9	+0·5	107	+ 25
539	Tunis	36 48	10 10	21	1015·8	1018·3	..	291·0	299·4	7th	280·5	276·8	17th	285·7	*284·9*	−0·5	36	+ 2
539a	Malta	35 54	14 31	56·4	..	1014·9	0·0	290·2	296·8	4th	284·8	?283·3	1st	287·5	*286·7*	−0·6	40	+ 22
540	Riposto	37 41	15 14	14·2	..	1018·8	+ 2·5	289·1	292·0	29th	283·7	281·2	12th	286·4	*285·6*	−0·3	34	− 15
541	Athens	37 58	23 43	107	1003·7	1016·6	+ 2·7	289·0	294·0	6th	281·3	274·2	22nd	285·1	285·0	+0·7	20	− 3
542	Alexandria	31 12	29 53	32·0	1012·7	1016·6	+ 1·2	293·9	302·7	19th	284·9	282·2	23rd	289·4	*288·9*	−0·2	11	..
543	Cairo (Helwan)	29 52	31 20	116	1002·0	1015·8	+ 0·6	296·0	305·6	19th	283·5	279·2	23rd	289·7	289·6	−0·5	7	+ 1
544	Nicosia (P.W.D.)	35 9	33 22	159	996·3	1015·2	+ 0·9	290·6	294·1	9th, 19th	280·1	275·8	22nd, 24th	285·3	..	+0·1	91	+ 51
544a	Beirut	33 54	35 28	33·7	..	1015·4	+ 0·5	291·6	297·3	2nd	285·6	279·4	14th	288·6	*288·5*	+0·2	92	+ 31
545	Baghdad	33 21	44 28	38·1	..	1016·7	+ 2·1	295·2	299·3	21st	284·4	280·8	17th	289·8	*287·1*	+0·6	66	− 9
546	Lenkoran	38 46	48 52	—20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Tehran	35 41	51 25	1220	..	..	..	289·4	296·1	30th	278·6	273·6	20th	284·0	*284·2*	+1·8	39	− 19
548	Meshed	36 16	59 35	946	..	..	..	288·3	297·1	30th	275·1	270·2	20th	281·7	..	+0·8	37	..
549	Seistan	31 0	61 30	?	..	..	..	294·8	304·4	31st	281·4	275·7	20th	288·1	..	..	9	..
550	Quetta	30 11	67 3	1677	832·9	..	— 0·9	290·8	300·6	25th	276·6	271·7	21st	283·7	*283·9*	−0·1	41	− 7
551	Peshawar	34 2	71 37	339	973·7	1013·7	— 2·1	296·1	302·3	27th	282·6	279·5	9th	289·4	*289·0*	−1·1	90	+ 34
551a	Lahore	31 34	74 20	214	986·0	1011·1	— 1·6	299·8	304·0	31st	285·3	282·2	22nd	292·6	*292·4*	−1·2	16	+ 23
552	Simla	31 7	77 8	2205	780·2	..	— 0·5	285·0	288·8	25th	278·3	273·1	9th	281·6	*281·8*	−1·2	91	0
552a	Leh	34 10	77 42	3503	663·0	..	— 1·8	278·1	282·8	18th	267·6	262·1	1st	272·9	*272·2*	−0·5	8	..
559	Hankow	30 35	114 17	37·0	1018·5	1023·0	+ 1·4	284·8	292·2	21st	279·7	275·0	2nd	282·3	*282·3*	−1·0	179	+ 100
560	Tientsin	39 10	117 10	5·0	1023·8	1024·4	+ 2·5	285·1	294·4	18th	273·8	267·3	3rd	279·5	*279·3*	+1·6	7	0
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1022·3	+ 1·1	285·1	290·9	16th	277·7	270·5	4th	281·4	281·0	+0·2	66	− 25
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1014·8	1023·3	+ 2·8	282·6	294·9	21st	274·1	267·5	3rd	278·4	276·6	+0·8	22	+ 23
562a	Nagasaki	32 44	129 52	133	1003·9	1020·1	+ 1·2	286·4	294·1	22nd	279·2	273·5	5th	282·8	282·3	+0·1	158	+ 18
563	Kyoto	35 1	135 44	42·0	1016·1	1021·4	+ 3·7	286·5	292·1	10th, 21st	275·5	270·5	5th, 6th	281·0	280·2	+1·1	128	+ 41
564	Tokyo	35 41	139 45	21·3	1018·1	1020·7	+ 4·3	284·0	294·7	23rd	275·5	269·9	7th	279·7	279·6	−0·3	133	+ 5
565	Kanayama	37 53	140 46	24·6	1017·8	1020·8	+ 4·7	281·5	293·6	22nd	271·9	264·4	1st	276·7	276·4	−0·4	91	..
566	Miyako	39 38	141 59	30·4	1016·6	1020·4	+ 4·6	281·6	293·0	22nd	270·8	263·0	1st	276·2	275·7	+0·3		
		N.	E.															

MARCH—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1021·0	+ 2·3	291·9	294·1	9th	289·3	285·8	25th	290·6	*290·3*	..	173	0
605	Honolulu	21 19	157 52	11·6	1016·9	1018·2	+ 0·9	298·3	300·8	..	292·2	290·2	..	295·2	*295·1*	+0·4	96	..
614	La Paz	24 10	110 20	12	1012·3	1013·8	..	301·1	308·0	14th	286·5	281·8	25th	293·8	..	..	0	..
615	Chihuahua	28 38	106 4	1423	857·7	1013·4	..	295·4	300·0	14th	279·8	273·7	25th, 26th	287·6	*286·9*	..	0	..
616	Leon	21 7	101 41	1809	819·7	1007·0	— 0·9	301·1	303·0	19, 23, 27	283·1	279·5	5th, 7th	292·1	..	+1·2	1	..
616a	Monterrey	25 40	100 18	528	952·8	1012·8	..	300·7	308·8	3rd	284·7	273·3	7th	292·7	*290·9*	..	11	..
617	Tulancingo	20 5	98 22	2180	791·7	..	..	..	300·0	..	..	272·0	..	..	288·0	−0·1	0	..
618	Galveston	29 18	94 50	16·5	1015·0	1016·9	0·0	291·4	298·0	25th	285·7	274·7	5th	288·6	*288·6*	−1·2	45	− 6
618a	New Orleans	29 57	90 4	16·2	..	1018·3	+ 0·9	293·0	301·9	26th	284·4	272·4	1st	288·7	*288·9*	−0·8	83	..
619	Merida, Yuc.	20 58	89 38	22	1012·3	1014·7	..	304·0	309·4	28th	293·4	286·8	2nd	298·7	*298·0*	..	0	− 53
620	Havana	23 8	82 21	24·3	..	1018·1	+ 1·0	299·0	304·4	28th	292·4	287·2	3rd	295·7	295·5	−0·5	100	− 20
620a	Key West	24 33	81 48	6·7	1017·6	1018·3	+ 0·6	297·4	301·9	27th	291·7	282·4	2nd	294·6	*294·0*	−1·0	15	− 17
621	Nassau, Bahamas	25 5	77 21	3·7	..	‡1018·0	— 0·2	297·5	300·8	28, 30, 31	293·0	286·9	2nd	295·3	*295·1*	−0·5	22	..
622	Watling Island	24 6	74 26	33·5	1015·1	1019·0	+ 2·2	..	301·9	21st	..	290·2	1st	..	*296·6*	..	..	..
633	Izaña	28 19	16 30	2367	767·5	..	..	278·7	285·8	17th	272·8	..	..	275·7	*275·6*	..	180	+ 120
634	La Laguna	28 28	W16 20	547	954·2	1018·2	+ 1·9	290·0	297·8	22nd	282·4	279·0	13th	286·2	*285·6*	−0·4	200	..
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	—23	..	..	..	296·0	303·1	18th, 31st	281·7	277·6	25th	288·8	..	..	15	..
642																		
643	Aswan	24 2	32 53	99·6	1002·3	1013·9	+ 0·1	302·2	311·7	20th	286·0	282·2	1st	294·1	*293·4*	−0·5	0	− 6
644	Tor	28 14	33 37	1·9	1013·9	1014·2	+ 0·5	296·2	301·8	19th	286·3	281·4	17th	291·2	*291·1*	0·0	6	..
647	Bushire	28 59	50 53	4·3	1013·3	1014·0	— 0·7	296·4	305·6	28th	289·7	285·7	2nd	293·1	*292·5*	+1·3	0	− 8
648	Jask	25 44	57 47	4·0	1011·8	1012·3	— 1·6	301·8	305·6	31st	291·3	287·7	12th	296·6	*296·0*	+0·8	11	− 6
649	Karachi	24 53	66 57	4·0	1010·9	1011·4	— 1·7	301·6	307·3	3rd	294·1	290·3	5th	297·8	*297·2*	+1·5	0	− 6
650	Jacobabad	28 17	68 29	56·7	1003·9	1010·4	— 1·9	306·7	314·1	31st	289·8	283·9	5th	298·3	*297·8*	+1·3	0	+ 6
651	Jaipur	26 56	75 52	430	962·3	1011·6	— 1·3	304·9	310·8	26th	289·3	284·2	22nd	297·1	*296·9*	+0·1	16	+ 5
652	Nagpur	21 8	79 5	310	976·7	1011·5	— 0·3	309·4	312·2	28th	291·8	287·9	1st	300·6	*300·2*	−0·6	20	+ 1
653	Allahabad	25 25	81 51	94·1	1000·6	1011·4	— 0·4	306·0	310·2	21st	290·3	287·6	24th	298·2	*297·8*	+0·1	14	− 5
653a	Darjeeling	27 3	88 18	2266	775·0	..	— 0·7	286·5	290·6	22nd	278·5	276·2	7th	282·5	*282·7*	−0·1	54	+ 124
654	Calcutta	22 36	88 23	6·4	1010·7	1011·4	+ 0·3	304·5	308·3	22nd	294·9	288·9	7th	299·7	*299·3*	0·0	159	..
655	Gauhati	26 8	91 41	59·7	1006·0	1012·9	+ 0·2	300·2	303·6	22nd	289·9	287·9	31st	295·1	*294·2*	−0·3	188	+ 132
655m	Cherrapunji	25 15	91 42	1314	869·3	..	+ 0·2	291·3	295·2	22nd, 28th	284·9	280·2	27th	288·1	*287·5*	−0·7	474	+ 243
655a	Akyab	20 11	92 56	6·1	1011·9	1012·5	+ 0·2	304·0	306·7	23rd	293·2	290·4	7th	298·6	*298·7*	−0·3	10	− 20
656	Mandalay	21 59	96 0	76·2	1003·2	1011·8	+ 0·3	310·5	314·4	28th	293·9	290·5	9th	302·2	*301·8*	+0·9	1	− 26
656a	Tengyueh	24 59	98 35	1633	834·3	1010·3	..	292·3	296·3	26th	280·4	276·3	8th	286·3	*285·7*	..	95	− 28
657	Phu Lien	20 48	106 38	116	1001·1	1014·7	+ 0·9	295·6	303·0	25th	290·1	284·4	6th	292·8	292·1	+0·2	26	− 28
658	Moncay	21 31	107 51	9·0	1014·4	1015·5	+ 1·2	294·8	300·9	24th	288·7	282·4	5th	291·7	*292·1*	−0·3	50	− 28
659	Hongkong	22 18	114 10	33·2	..	1016·6	+ 0·5	292·3	299·9	11th	288·2	283·3	4th	290·3	289·9	−0·3	35	− 20
660	Amoy	24 27	118 4	ca.3	1018·9	1019·3	— 0·1	290·7	298·6	11th	285·7	280·8	4th	288·2	*288·0*	−0·1	100	− 20
661	Taihoku, Formosa	25 2	121 31	9·3	1017·2	1018·3	+ 0·7	294·1	301·8	31st	287·6	283·4	15th	290·8	290·2	+0·4	158	− 10
661a	Basco	20 28	121 59	18·7	1010·9	1013·3	+ 0·1	301·3	304·4	11th	294·5	292·0	6th, 7th	297·9	*297·6*	+0·6	105	− 81
662	Naha	26 13	127 41	10·5	1010·7	1018·0	+ 0·8	294·9	300·2	30th, 31st	288·0	281·4	7th	291·5	291·1	+0·2	233	+ 4
665	Titizimá (Bonin Islands)	27 5	142 11	4·0	1017·7	1018·2	+ 1·3	294·3	296·9	24th	288·1	283·3	8th	291·2	290·9	−0·6	117	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

MARCH 1920.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

MARCH—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
602	Colima	19 12	103 45	509	955·9	1011·4	..	301·7	304·6	11th	293·3	285·8	8th	297·5	*297·2*	..	0	..
603	Morelia	19 42	101 7	1923	808·7	1006·4	..	296·8	299·0	27th	..	..	..	..	*291·7*	..	0	..
604	Mexico, Tacubaya	19 24	99 12	2309	774·1	1012·8	— 0·4	300·6	303·6	25th	280·1	277·5	14th	290·4	289·6	+1·4	0	− 11
606	Salina Cruz	16 12	95 12	56	1006·1	1012·6	..	301·8	306·5	10th	295·1	291·4	14th, 26th	298·4	*297·9*	..	0	..
607	San Salvador	13 42	89 13	682	934·3	1009·4	— 1·4	309·1	312·8	12th	289·5	286·0	1st, 2nd	299·3	*296·8*	+0·1	0	− 17
608	Belize	17 29	88 12	5·2	1015·1	1015·7	+ 1·8	301·2	303·6	13th	294·9	289·7	14th	298·1	*297·7*	−0·9	74	+ 31
609	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·8	+ 0·5	302·2	303·8	10th	293·5	291·6	6th	297·9	*297·5*	+0·3	81	+ 22
610	Port au Prince	18 34	72 22	37·4	1011·4	1015·7	+ 0·3	305·1	308·0	31st	294·4	291·7	1st	299·8	*299·1*	+0·7	100	+ 5
611	Caracas	10 30	66 55	1042	899·8	1016·3	+ 0·8	298·9	302·0	1st, 24th	286·2	283·3	7th	292·5	*290·9*	−1·1	6	− 11
612	Montserrat	16 41	62 9	39·6	1011·7	1016·3	— 0·1	302·3	304·1	30th	294·3	291·3	4th, 5th	298·3	*297·8*	..	93	..
613	Grenada (Richmond Hill)	12 5	61 46	155	‡995·6	‡1013·6	+ 0·4	301·2	302·4	30th	295·0	293·6	8th	298·1	*297·6*	−0·3	64	− 6
614	Barbados	13 8	59 36	55·2	..	1015·2	+ 0·3	301·7	303·1	22nd	294·2	292·7	14th, 24th	297·9	*297·5*	0·0	23	− 26
615	São Vicente, C. Verde Is.	16 54	25 4	11	1014·9	1016·2	+ 1·7	296·3	299·5	24th	..	..	..	..	*293·7*	−0·7	0	− 1
616	San Tiago, C. Verde Is.	14 54	23 31	?40	..	..	..	299·6	302·4	26th	292·2	290·6	10th, 11th	295·9	*295·8*	+0·5	0	− 2
617	Bathurst	13 27	16 36	1·8	1013·1	1013·4	+ 0·6	307·2	311·3	16th	..	..	..	..	..	..	0	0
618	M'Carthy Island	13 33	14 45	1·1	..	..	..	310·6	314·7	21st	294·7	291·3	3rd	302·6	..	0·0	0	0
619	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
620	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
621	Sokoto	13 2	E 5 14	353	..	..	..	309·6	313·6	19th	292·2	289·1	1st	300·9	*300·7*	−2·3	0	− 3
622	Kaduna Capital	10 32	7 25	037	944·2	1015·4	+ 1·8	307·2	310·8	19th, 20th	290·1	285·8	5th	298·7	*298·4*	−1·6	0	− 11
623	Hadeija	12 40	10 5	?	..	..	..	310·1	314·7	19th	288·1	283·0	1st	299·1	*298·8*	−2·6	0	..
624	Maiduguri	11 47	13 11	361	..	..	..	310·2	314·7	19th	289·4	284·1	1st, 5th	299·8	*299·5*	−3·0	0	0
625	El Fasher	13 32	25 18	730	..	..	..	306·7	313·0	21st	285·0	281·6	12th	295·8	*294·6*	..	0	..
626	El Obeid	13 11	30 14	569	..	..	..	305·8	313·0	20th	288·8	282·0	1st	297·3	*297·0*	−0·4	0	− 2
627	Khartoum	15 37	32 33	390	965·8	1009·6	+ 0·4	307·0	316·8	21st	291·1	282·3	1st	299·1	*299·3*	−0·9	0	0
628	Port Sudan	19 37	37 13	5·5	1011·2	1011·9	— 0·1	301·2	304·6	21st	292·7	288·9	31st	297·0	*296·8*	+0·1	1	− 14
629	Berbera, Somaliland	10 22	45 2	9·5	1012·6	1013·6	+ 0·1	303·3	304·7	2nd	295·8	293·0	4th, 8th	299·6	*300·0*	+1·4	0	− 23
630	Aden	12 45	45 3	28·7	1009·4	1012·6	— 0·7	301·8	303·6	4th	296·4	292·9	2nd, 5th	299·1	*298·4*	−0·3	0	− 14
631	Bombay	18 54	72 49	11·3	1010·7	1011·9	— 0·8	303·8	306·1	26th	296·5	294·8	2nd	300·2	*299·3*	+0·7	0	− 1
632	Cochin	10 58	76 21	2·7	1011·2	1011·5	— 0·5	306·6	307·6	23rd	299·1	296·1	1st	302·8	*301·9*	+0·7	19	− 33
633	Kodaikanal	10 14	77 28	2343	771·7	..	— 0·5	295·7	296·7	7th	282·9	279·8	1st	289·3	*289·3*	+0·9	3	− 57
634	Bangalore	12 59	77 38	920	911·3	1011·0	— 0·4	306·7	308·4	31st	291·8	287·2	1st	299·3	*298·8*	+0·9	5	− 9
635	Madras	13 4	80 14	6·7	1011·2	1011·9	— 0·5	305·2	306·4	31st	296·2	293·9	21st	300·7	*299·8*	+0·4	0	− 4
636	Vizagapatam	17 42	83 19	11·6	1010·6	1011·9	— 0·3	304·2	307·5	15th	298·3	296·3	7th	301·3	*300·4*	+1·1	9	+ 1
637	Port Blair	11 40	92 40	17·7	1009·3	1011·4	— 0·8	304·7	305·7	20th	298·7	296·5	16th	301·7	*300·8*	+0·1	3	− 15
638	Rangoon	16 46	95 48	5·5	1011·8	1012·5	+ 0·3	308·6	310·4	22nd	295·4	293·2	17th	302·0	*300·5*	+0·3	4	− 5
639	Saigon	10 47	106 42	11·2	..	..	..	307·5	309·6	20th, 27th	296·5	295·0	16th	302·0	*301·3*	+0·2	0	− 7
640	Cap St. Jacques	10 20	107 5	180	989·8	1010·3	— 0·1	..	..	..	..	..	..	..	..	..	..	..
641	Nhatrang	12 15	109 12	3·6	1012·3	1012·7	+ 0·7	302·7	304·3	26th	294·6	292·8	10th	298·6	*298·1*	−0·6	1	− 19
642	Bolimao	16 24	119 53	7·1	1008·5	1009·3	— 1·6	306·5	309·7	31st	296·1	294·1	14th	301·3	*300·1*	−0·1	1	− 14
643	Vigan	17 34	120 23	12·2	..	1011·4	0·0	305·2	309·4	26th	295·8	293·6	7th	300·5	300·1	+0·3	0	− 6
644	Manila	14 35	120 59	14·2	..	1011·9	+ 0·6	306·2	308·5	31st	294·0	292·0	27th	300·1	299·5	−0·1	2	− 19
645	Ormoc	11 0	124 36	5·6	1009·6	1010·3	+ 0·3	305·7	307·4	30th	294·5	292·6	6th, 10th	300·1	*299·6*	+0·9	71	+ 21
646	Guam, Ladrone Is.	13 24	144 38	12·5	1006·7	1008·3	— 1·7	303·3	305·0	13th	297·0	295·8	22nd, 23rd	300·1	*299·6*	0·0	142	+ 62
		N.	E.															

MARCH—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
646	Fanning Island	3 55	159 23	3·1	..	..	..	303·7	305·2	26th	297·0	295·8	7th, 24th	300·3	*299·8*	+0·1	275	− 45
647	Colon	9 23	79 23	11·0	..	1011·9	— 0·2	303·3	304·7	24th	298·0	295·8	6th	300·7	*300·3*	+1·2	27	− 14
648	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	58	− 42
649	Merida, Venez..	8 36	71 9	1641	‡842·4	..	..	296·5	300·0	19th	287·7	284·5	11th	292·1	*291·0*	..	88	..
650	El Peru, Guayanavieja	7 19	61 49	220	?986·2	?1011·4	+ 0·1	..	..	..	..	..	..	..	‡*295·4*	0·0	20	− 35
651	Georgetown, Brit. Guiana.	6 50	58 12	1·8	..	1014·7	+ 1·8	301·9	302·4	sev. dates	296·8	295·2	5th	299·3	*299·0*	−0·1	49	− 112
652	Paramaribo	5 49	55 9	3·7	‡1014·3	‡1014·7	+ 1·8	302·3	303·8	28th	295·2	292·1	27th	298·7	*298·5*	−0·2	44	− 168
653	Cayenne	4 56	52 21	6	..	..	..	302·4	304·0	2, 14, 29	294·3	293·0	18th, 23rd	298·4	*297·0*	−1·1	224	− 178
654	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
655	Freetown, Sierra Leone	8 29	13 9	68·3	1003·5	1011·4	+ 0·7	304·8	310·2	7th	296·3	294·1	24th	300·6	*299·5*	−0·4	0	− 29
656	Cape Coast	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	34	− 24
657	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	..	..	..	..	‡*302·2*	+0·6	19	− 27
658	Lagos	6 27	E 3 24	4·6	1010·9	1011·4	+ 0·4	304·8	310·5	..	298·3	294·7	..	301·6	*301·2*	+0·1	96	+ 1
659	Zungeru	9 48	6 10	130	..	..	..	311·5	314·1	19th	293·9	289·7	7th	302·7	*302·4*	−0·6	0	− 14
660	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
661	Yola	9 12	12 30	259	..	..	..	311·2	314·7	28th	..	..	..	..	‡*302·9*	−1·0	0	− 9
662	Wau	7 42	28 3	440	..	..	..	310·0	313·5	25th	294·8	290·0	12th, 31st	302·4	*301·7*	+0·3	0	− 22
663	Malakal (Kodok)	9 35	31 37	394	963·6	1007·1	+ 0·4	310·7	314·5	18th	294·2	290·5	7th	302·4	*301·6*	..	4	− 3
664	Mongalla	5 11	31 47	439	958·2	1007·0	+ 0·6	309·2	313·5	3rd	..	..	..	..	‡*300·0*	..	58	+ 16
665	Entebbe	0 5	32 29	1171	883·1	1009·2	0·0	298·6	303·3	27th	290·8	285·2	7th	294·7	*294·1*	−0·5	105	− 43
666	Minicoy	8 17	72 49	2·1	1012·1	1012·3	+ 0·2	..	..	..	..	..	..	..	..	..	36	+ 11
667	Colombo Observatory	6 54	79 53	7·3	..	1009

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	303·3	307·2	11th	296·5	294·8	28th	299·9	*299·2*	—0·4	310	+108
926	Taperinha	2 30	54 20	20·0	1009·0	1011·3	+ 0·1	301·4	302·8	6th, 7th	295·7	294·0	30th	298·6	*297·8*	0·0	235	+170
927	Turyassu	1 43	45 26	15·1	1009·2	1010·9	0·0	302·5	305·9	18th	295·0	293·3	13th	298·8	*298·2*	—0·3	604	+262
928	Barra do Corda	5 30	45 16	81·0	1000·2	1009·5	— 0·7	..	..	..	294·8	293·8	20th, 29th	..	*298·2*	+0·2	364	+ 63
929	Quixeramobim	5 16	39 15	207	987·9	1011·1	+ 0·2	303·5	306·6	1st	297·2	295·2	14th	300·4	*299·8*	—0·2	214	+157
930	Fernando Noronha	3 50	W32 25	106	999·7	1011·6	— 0·1	301·5	302·6	11th	297·1	295·0	26th	299·3	*299·1*	..	350	..
939	Loanda	8 49	E 13 13	59·3	..	1011·4	+ 1·2	301·0	302·7	19th	296·6	295·2	3rd	298·8	298·6	—0·5	145	..
940	Brazzaville	4 17	15 16	320	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Masaka	0 21	31 47	?1280	..	..	..	299·3	302·4	5th	290·1	288·6	19th	294·7	*294·9*	+1·8	161	+ 67
944	Nairobi	1 14	36 44	1800	..	..	..	298·0	301·9	17th	284·7	281·3	13th, 14th	291·3	*290·7*	—0·5	270	+150
944*a*	Zanzibar	6 10	39 11	21·9	1010·3	1012·8	0·0	303·9	306·3	27th	299·8	297·3	17th	301·9	*301·1*	+0·5	30	—135
945	Lamu	2 16	40 50	3·1	..	..	..	303·0	304·1	27th, 28th	299·1	298·6	2nd, 24th	301·1	*300·8*	+0·2	83	— 33
947	Seychelles, Port Office	4 37	55 27	4·6	1010·0	1010·5	— 0·1	302·8	304·2	..	299·1	297·6	..	300·9	*300·4*	+1·3	208	..
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	255	+40
958	Batavia	6 11	106 50	8·0	1008·8	1009·7	— 0·1	302·1	304·4	18th	296·3	294·8	2nd	299·2	298·6	—0·4	245	+337
958*a*	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	585	+ 18
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	227	+178
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	273	..
962	Amboina	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	137	+ 4
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	660	+327
965	Daru	9 4	143 13	7·6	..	1009·5	— 0·1	300·2	..	..	..	..	..	..	..	..	298	— 31
966	Port Moresby	9 29	147 9	39·0	..	1010·4	+ 1·2	304·5	..	..	297·6	..	..	301·1	*300·6*	+0·6	64	—109
967																	..	..
968	Rendova	8 30	157 12	1·8	1008·8	1008·9	+ 1·3	..	..	..	..	..	..	..	..	..	410	—121
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·6	1008·9	+ 1·1	304·8	307·2	4th	297·6	296·6	20th, 23rd	301·2	*300·9*	+0·6	99	—320
970	Ocean Island	0 52	169 35	54·0	1001·0	1007·2	— 0·7	302·7	304·7	1, 4, 21	297·1	295·2	20th, 23rd	299·9	*299·3*	—1·0	433	+210

MARCH—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1010·6	+ 1·4	303·6	304·7	21st, 23rd	296·0	295·1	25th	299·8	299·8	+0·6	282	— 62
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	304·6	308·6	6th, 20th	295·6	294·1	4, 23, 26	300·1	*299·8*	+0·3	258	— 40
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	761·0	..	— 0·1	291·9	293·7	16th, 17th	283·2	280·7	8th	287·6	*287·6*	+0·1	57	— 47
1022	Puerto de Arica	18 28	70 20	5	..	..	..	297·4	299·0	5th	291·4	290·4	28th, 30th	294·4	..	+0·3	0	— 0
1023																	..	..
1024	Sucre, Bolivia	19 3	65 16	2848	729·6	..	..	289·5	294·6	18th	281·5	278·6	30th	285·5	*285·3*	..	145	+ 50
1025	Corumba	18 59	57 39	116	996·3	1009·4	— 0·3	303·1	307·0	6th	295·2	289·2	21st	299·2	*298·4*	—1·5	193	+ 72
1026	Cuyaba	15 36	56 6	165	990·4	1008·9	— 0·2	304·6	308·5	17th	295·5	293·5	25th	300·0	*299·6*	—0·4	192	+ 27
1027	Bello Horizonte	19 55	43 57	857	917·9	1012·1	— 1·4	299·6	303·4	15th	290·8	287·0	29th, 30th	295·2	*294·3*	—0·4	192	+108
1028	Caetite	14 3	42 37	900	914·8	1013·1	+ 0·5	299·7	303·0	23rd	291·3	283·2	19th	295·5	*295·8*	—0·3	186	+111
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·1	1011·5	— 1·1	302·2	305·1	9th	296·9	294·9	28th	299·6	*299·1*	+0·2	275	+ 54
1030	Aracaju	10 54	37 3	4·0	1012·0	1012·4	— 0·4	302·7	305·2	10th	295·3	294·0	16th, 27th	299·0	*299·9*	—0·3	150	+ 53
1035	St. Helena	15 57	W 5 40	‡579	946·2	1012·0	+ 1·8	297·4	301·1	9th	289·3	288·3	7th	293·3	*293·2*	+1·0	178	..
1039	Mossamedes	15 11	E 12 10	12·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1042	Gwelo	19 28	29 48	1417	861·4	1012·7	— 0·2	298·3	301·9	7th, 10th	288·1	283·0	29th, 30th	293·2	..	+0·2	52	— 19
1043	Salisbury, Rhodesia	17 48	31 5	1457	855·2	1010·6	— 1·5	298·7	302·1	13th	287·9	283·0	28th	293·3	*292·2*	+0·2	128	+ 14
1044	Zomba	15 23	35 18	996	906·0	1015·2	— 1·2	299·2	303·0	2nd	291·3	288·6	28, 29, 31	295·2	*294·2*	+0·4	553	+230
1045	Antananarivo	18 55	47 32	1400	863·8	1014·0	+ 1·1	298·3	300·1	27th	289·0	286·5	15th	293·7	*292·6*	—0·1	180	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1010·1	1010·6	0·0	302·6	304·1	27th	297·8	295·5	17th	300·2	*299·8*	—0·4	105	+161
1057	Christmas Island	10 25	105 43	5·5	1007·0	1007·6	0·0	303·3	305·8	..	297·1	295·8	..	300·2	*299·6*	—0·5	437	— 67
1061	Kupang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	155	— 29
1061*a*	Derby	17 18	123 40	16·2	1009·4	1011·3	+ 2·7	308·0	311·4	22nd	296·6	292·5	23rd	302·3	..	—0·8	83	— 53
1062	Hall's Creek	18 13	127 46	374	970·2	1011·3	+ 2·4	308·3	311·9	15th	293·4	286·3	24th	300·9	*300·5*	—0·4	31	— 55
1063	Darwin	12 28	130 51	29·6	1005·7	1009·1	+ 1·6	306·3	308·6	27th	297·8	296·1	13th	302·0	*300·9*	+0·1	201	— 40
1064	Daly Waters	16 16	133 23	211	985·1	1008·5	+ 1·1	307·6	309·7	25, 26, 28	294·3	289·7	25th	301·0	*300·6*	—0·8	64	— 40
1065	Mein	13 13	142 47	122	995·0	1008·5	+ 1·6	304·4	306·9	2nd	293·9	291·3	18th, 19th	299·2	..	—0·8	44	— 31
1066	Georgetown, Queensland	18 22	143 32	302	977·9	1011·5	+ 2·8	305·6	307·3	25th	293·8	289·6	25th	299·7	..	—0·2	33	—109
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1072	Suva, Fiji	18 8 S.	178 26 E.	17·7	1008·3	1010·3	+ 0·3	302·6	305·8	4th	296·3	295·1	30th	299·4	*299·1*	—0·3	360	— 7
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1005	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	294·3	290·8	25th	..	..	..	144	—125
1011	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·0	1014·2	— 0·4	292·3	295·5	23rd	287·3	285·4	9th	289·8	*289·3*	+0·2	1	— 1
1012	Iquique	20 12	70 11	9	1011·4	1012·5	— 1·1	296·3	298·6	22nd	290·8	289·0	30th	293·5	*293·2*	+0·2	0	— 0
1013	Catamarca	28 27	65 47	510	948·2	1004·4	— 4·3	306·5	313·0	14th	290·7	285·3	21st	298·6	298·6	+1·4	36	— 17
1014	Salta	24 46	65 28	1178	881·8	1009·8	— 0·6	299·8	305·8	18th	289·0	283·0	20th	294·4	294·2	+1·4	100	— 3
1015	Goya	29 9	59 15	26	1007·7	1010·7	— 1·1	304·3	310·2	18th	292·2	284·5	23rd	298·3	298·5	+1·8	85	— 54
1016	Asuncion	25 21	57 37	95	‡1001·7	‡1012·5	— 0·5	309·3	314·0	13th, 14th	293·4	287·0	24th	301·3	300·0	+1·3	52	— 51
1017	Curityba	25 25	49 17	908	913·9	1014·5	— 0·7	297·5	302·9	14th	288·0	284·2	23rd	292·8	*291·6*	—0·5	73	— 44
1018	Rio de Janeiro	22 54	W43 10	61·4	1006·1	1014·8	+ 0·3	300·3	306·7	14th	295·5	292·2	27th	297·9	297·6	—0·2	121	— 18
1020	Windhoek	22 35	E 17 5	1680	..	..	..	298·7	301·8	11th	288·4	285·0	30th	293·6	*293·6*	—0·4	114	+ 36
1021	Kimberley	28 42	24 47	1202	883·1	1014·0	+ 1·0	298·9	303·5	11th, 15th	286·0	278·0	27th	292·5	292·1	—1·7	134	+ 61
1022	Johannesburg	26 11	28 4	1806	824·3	1015·0	0·0	295·8	301·4	15th	284·7	278·2	27th	290·2	*289·7*	—0·2	112	— 1
1023	Pretoria (Brooklyn)	25 46	28 13	1400	862·9	1013·2	0·0	299·4	304·9	10th	285·7	278·3	27th	292·6	*292·1*	0·0	85	..
1024	Bulawayo	20 9	28 35	1340	867·8	1012·1	— 0·2	297·5	301·3	7th	287·4	281·9	30th	292·5	*291·9*	—1·0	122	+ 42
1025	Durban	29 52	31 3	15·2	1015·9	1017·7	+ 0·5	299·4	302·4	5th	292·6	288·2	27th	296·0	*295·4*	—0·6	151	+ 15
1026	Lourenço Marques	25 58	32 36	59	..	1015·1	+ 0·2	301·9	305·6	25th	293·3	288·9	28th	297·6	297·2	—0·2	102	+ 23
1027	Mauritius	20 6	57 33	55·2	1006·7	1013·0	+ 1·0	301·6	303·2	11th	295·0	291·3	5th	298·3	298·1	—0·2	228	— 10
1029	Onslow	21 43	114 57	4·3	1008·9	1009·8	+ 1·6	307·9	314·1	14th	296·1	289·8	31st	302·0	..	—0·2	56	+ 33
1030	Peak Hill	25 38	118 47	588	946·1	1010·9	+ 1·8	306·2	311·6	9th	293·1	284·1	31st	299·6	..	—1·2	10	— 23
1031	Nullagine	21 53	120 5	386	968·0	1010·0	+ 1·5	309·6	313·2	6th	293·2	284·1	25th	301·4	..	—0·7	6	— 54
1032	Laverton	28 40	122 23	466	962·9	1014·0	+ 1·1	304·7	313·8	10th	290·8	283·7	31st	297·8	*297·7*	+0·4	114	+ 83
1033	Alice Springs	23 38	133 37	587	948·4	1012·9	+ 1·1	304·3	311·9	14th	286·3	280·2	20th, 24th	295·3	296·7	—2·5	2	— 28
1034	William Creek	28 55	136 21	76·2	1007·4	1016·1	+ 2·2	305·2	313·3	13th	288·6	283·6	23rd	296·9	*296·7*	—0·8	3	— 14
1035	Boulia	22 55	139 38	146	994·8	1011·1	+ 2·6	307·6	313·0	5th, 6th	290·7	285·1	17th	299·1	*299·4*	—1·8	4	— 42
1036	Thargomindah	27 58	143 43	123	1000·2	1014·2	+ 2·5	304·7	312·1	6th	290·8	285·9	20th	297·7	*297·5*	—1·5	1	— 19
1037	Mitchell	26 32	147 52	336	977·2	1014·5	..	303·4	308·0	7th, 15th	287·2	279·7	18th	295·3	..	—0·8	6	— 75
1038	Rockhampton	23 24	150 30	11·3	1012·7	1014·1	+ 2·5	304·3	308·4	1st	293·3	290·8	17th	298·8	..	0·0	41	— 91
1039	Brisbane	27 28	153 2	41·7	1011·4	1016·2	+ 1·7	300·6	305·3	7th	291·1	287·2	18th	295·8	*295·2*	—0·7	46	— 95
1040	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1041	Norfolk Island	29 4 S.	167 59 E.	15·2	1013·3	1015·2	+ 1·0	297·0	300·2	8th	292·4	288·6	7th	294·7	*294·3*	—0·1	46	— 55

Between Latitude 30° S. and 40° S.

MARCH—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1042	Juan Fernandez	33 37	78 50	10	..	..	..	294·8	298·1	2nd	289·7	287·0	9th	292·3	*292·7*	+0·6	28	— 15
1043	Punta Tumbes	36 37	73 6	91	‡1004·6	‡1015·5	+ 0·1	291·7	294·2	22nd, 23rd	284·7	282·0	31st	288·2	*287·9*	+0·8	29	+ 13
1044	Punta Angeles, Valparaiso	33 1	71 38	41	1008·6	1013·5	— 1·5	296·7	304·5	30th	286·2	283·7	21st	291·5	*290·3*	+0·2	0	— 10
1045	Santiago	33 27	70 42	520	953·5	1012·8	— 0·9	301·7	305·7	2nd	283·0	280·5	31st	292·3	*291·5*	+2·0	0	— 5
1046	Cordoba	31 25	64 12	423	962·6	1010·6	— 1·4	301·0	307·6	..	287·7	279·1	..	294·3	293·9	+0·6	93	+ 5
1047	Bahia Blanca	38 45	62 15	25	..	1009·6	— 2·8	300·0	307·5	4th	288·0	280·5	23rd	294·0	294·3	+1·9	23	— 43
1048	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1012·7	— 1·6	300·3	306·1	4th	288·8	279·6	23rd	294·5	294·3	+0·4	128	+ 16
1049	Montevideo (Prado)	34 52	56 12	24·9	1010·1	1013·0	— 1·8	301·6	308·1	4th	289·5	279·6	24th	295·5	295·1	+1·9	89	+ 8
1050	Porto Alegre	30 2	W51 13	23·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1051	Cape Town	33 56	E 18 29	12·2	..	1016·1	+ 1·3	299·4	308·6	19th	287·1	283·0	25th	293·3	*291·6*	+0·2	4	— 19
1052	Danger Point	34 37	19 18	27·7	1017·5	1020·8	..	293·4	296·3	3rd	287·2	283·0	26th	290·3	..	..	26	— 2
1053	Riversdale	34 6	21 16	?61	1004·8	1011·9	..	299·6	313·0	19th	286·7	280·2	27th	293·1	..	..	47	..
1054	East London	33 1	27 54	9·8	1014·4	1015·5	+ 0·5	297·2	304·1	15th	289·5	282·4	26th	293·3	..	+0·1	63	— 24
1055	Perth (Observatory)	31 57	115 51	60·0	1008·4	1015·7	+ 0·3	300·6	313·0	23rd	289·4	281·2	30th	295·0	*294·5*	+0·3	41	+ 22
1056	Katanning	33 42	117 35	310	980·5	1016·1	+ 0·2	300·6	311·3	20th	286·2	278·9	30th	293·4	..	+1·3	19	— 5
1057	Coolgardie	30 57	121 10	423	967·4	1014·9	+ 0·2	303·0	313·1	9th	288·5	280·9	14th	295·8	*295·7*	+0·7	13	— 6
1058	Eucla	31 45	128 58	4·6	1016·0	1016·6	+ 0·3	299·9	315·2	13th	288·6	283·0	22nd	294·3	*293·7*	+0·6	3	— 20
1059	Streaky Bay	32 48	134 13	13·1	1016·8	1018·1	+ 1·2	301·9	313·4	11th	286·9	279·4	18th	294·4	*293·7*	+1·2	10	— 5
1060	Adelaide	34 56	138 35	42·7	1013·9	1018·9	+ 1·7	300·2	313·3	14th	287·6	281·6	22nd	293·9	*293·4*	—0·1	37	+ 10
1061	Melbourne	37 49	144 58	35·1	1013·7	1017·9	+ 0·9	296·0	309·7	13th	285·1	280·8	10th	290·6	*290·2*	—0·5	27	— 30
1062	Bourke	30 13	145 58	110	1006·0	1018·8	+ 2·6	304·7	310·8	14th	289·2	283·0	17th	296·9	..	—1·3	0	— 32
1063	Sydney	33 51	151 13	44·5	1012·5	1017·7	+ 1·4	296·9	300·8	5th	288·4	283·8	19th	292·7	*292·5*	—1·0	38	— 84
1064	Lord Howe Island	31 30	159 0	4·6	1016·7	1017·2	+ 1·0	297·2	299·6	7th	290·5	286·5	26th	293·9	..	—1·0	75	— 63
1065	Auckland	36 50	174 50	38·1	..	1015·5	..	294·2	296·9	2nd	287·4	283·3	6th, 30th	290·8	..	—0·5	106	+ 29
1066	Napier	39 32 S.	176 53 E.	21·3	..	1015·7	— 1·2	295·6	300·8	8th	285·4	279·9	25th	290·5	..	+0·3	43	— 43

Between Latitude 40° S. and 50° S.

MARCH—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1067	Chatham Island	43 52	170 42	104	..	1012·0	..	..	..	..	..	..	..	..	..	..	58	— 23
1068	Isla Guafo	43 34	74 45	140	994·4	1011·1	— 5·6	287·0	289·4	16th	283·3	280·9	7th	285·1	*285·3*	+0·2	143	+ 81
1069	Punta Galera	40 1	73 44	40	1009·8	1014·6	— 1·6	289·4	292·2	1st	284·9	281·4	6th	287·1	*287·7*	+1·3	248	+143
1070	Sarmiento	45 30	69 0	274	..	1005·0	..	291·6	300·0	26th	281·1	277·0	9th	286·3	286·3	—0·6	40	+ 24
1071	Punta Madryn	42 49	W64 58	14	..	1007·8	..	298·0	310·1	11th	284·3	278·2	15th	291·1	290·9	+0·6	12	+ 3
1072	Launceston	41 27	E147 10	10·1	1013·6	1014·7	+ 0·2	295·3	301·4	13th	281·6	275·2	18th	288·4	*287·4*	—0·7	32	— 13
1073	Hobart	42 53	147 20	53·9	1007·6	1014·0	+ 0·2	293·3	304·3	13th	282·9	278·0	18th	288·1	*287·1*	—0·1	45	+ 2
1074	Invercargill	46 25	168 21	5·5	..	..	..	290·5	299·1	8th	280·4	274·7	21st, 29th	285·4	..	—0·5	109	+ 18
1075	Dunedin	45 52	170 31	91·4	..	1012·5	— 1·9	291·9	298·0	31st	281·6	276·9	3, 20, 23	286·7	..	+0·7	21	— 55
1076	Christchurch	43 31	172 39	7·6	..	1013·2	— 1·0	293·1	301·8	16th	282·4	276·3	30th	287·8	..	+0·3	3	— 50
1077	Wellington	41 16 S.	174 46 E.	2·4	..	1015·5	— 1·0	292·6	297·4	19th	285·7	280·5	26th	289·2	..	+0·4	54	— 31
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

MARCH—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	990·8	997·4	— 5·1	282·4	285·0	26th	279·0	275·7	8th	280·7	*280·8*	—0·6	252	— 44
1422	Puerto de Punta Arenas	53 10	70 54	4	996·7	997·2	— 3·1	284·8	291·3	2nd	276·7	273·3	18th	280·7	*281·0*	—1·2	93	+ 38
1423	Punta Dungeness	52 24	68 26	5	996·2	996·8	— 4·3	285·5	293·0	2nd	279·5	277·8	sev. dates	282·5	*282·4*	—0·7	16	+ 11
1424	Santa Cruz	50 11	68 21	12	998·7	1000·1	— 3·8	290·2	300·1	23rd	279·0	272·9	15th	284·6	284·5	—1·0	17	— 29
14244	Año Nuevo	54 39	64 8	50	990·7	996·7	— 1·4	283·3	287·0	27th	277·4	274·0	15th	280·3	280·3	+0·8	32	+ 23
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	80	..
1426	Cape Pembroke	51 41	57 42	21	..	999·6	— 1·7	283·9	291·3	3rd	278·3	275·8	sev. dates	281·1	280·6	—1·0	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..

MARCH—ZONE 15. Between Latitude 60° S. and 70° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
1527	South Orkneys.	60 44 S.	44 39 W.	7	997·0	997·9	+ 6·6	273·4	277·2	2nd	270·3	268·0	30th, 31st	271·9	272·0	—0·5	32	— 14
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MARCH, 1920.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction	Sierra Leone. 834. Direction and Force (Beaufort).		Entebbe. 844. Direction and Force (Beaufort).		Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).		Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s.	17½h.	9h.	17h.	7h.	21h.	9h.	9h.	9h.	21h.	9h.
1	SE	6·7	N	W 4	SW 2	E 1	SW 1	NE 2	NW 2	W 4	SW 4	Calm 0
2	SE	5·7	SE	SW 3	WSW 3	N 1	SE 1	SE 2	NW 4	SW 4	SW 3	Calm 0
3	SE	6·1	N	Calm 0	WSW 3	E 1	SE 1	NE 2	NW 2	SSW 3	SE 3	NW 2
4	SSE	6·2	SE	Calm 0	WSW 3	S 1	E 1	NE 3	Calm 0	ESE 3	E 3	Calm 0
5	SSE	8·3	NE	NE 1	WSW 7	NW 1	S 2	E 3	Calm 0	E 3	NNE 3	Calm 0
6	S	9·3	NE	Calm 0	SW 1	E 1	SE 2	ESE 2	Calm 0	NE 4	NE 6	SE 3
7	S	5·5	NE	SW 2	WSW 1	S 1	SE 1	E 1	Calm 0	ENE 3	ENE 2	SE 4
8	SSE	3·3	SE	SW 1	WSW 1	E 1	SE 1	ESE 1	Calm 0	E 3	E 3	SE 0
9	S	3·4	SE	Calm 0	WSW 1	N 2	S 1	E 2	NW 2	E 2	ENE 5	Calm 0
10	S	5·2	NE	Calm 0	WSW 3	SW 1	SW 1	E 2	Calm 0	ENE 4	NE 3	Calm 0
11	S	5·5	NE	Calm 0	SW 2	N 1	Calm 0	E 1	SE 2	NE 3	ENE 0	Calm 0
12	S	0·5	NE	WSW 1	SW 2	SE 1	E 1	SE 2	NW 4	ENE 5	ENE 3	Calm 0
13	SSE	9·5	NE	Calm 0	WSW 2	N 1	S 2	E 1	NW 4	E 4	SE 3	SE 0
14	SSE	10·4	SE	Calm 0	WSW 3	N 2	S 1	NE 1	NW 2	SE 3	E 2	Calm 0
15	SSE	10·2	SE	SW 1	WSW 3	W 1	S 2	NE 1	NW 4	ENE 3	ENE 2	Calm 0
16	SSE	10·0	SE	Calm 0	SW 1	S 2	SE 2	Calm 0	NW 4	NE 4	NNE 4	Calm 0
17	S	10·1	SE	Calm 0	SW 1	E 2	E 2	NE 1	NW 2	ENE 5	ENE 3	Calm 0
18	S	11·5	SE	NW 1	SW 3	E 1	SE 2	ENE 1	Calm 0	ENE 4	NE 5	Calm 0
19	S	8·0	SE	Calm 0	SW 2	S 1	SE 2	SE 2	Calm 0	SE 5	SE 2	Calm 0
20	SSE	—	SE	WNW 1	SSW 4	S 2	SE 1	SE 2	Calm 0	SSW 3	S 3	SE 3
21	SSE	—	NE	Calm 0	SW 3	SW 1	W 1	E 1	NW 2	ENE 2	ENE 4	SE 5
22	SSE	6·3	NE	W 2	WSW 2	E 1	W 2	SE. 2	Calm 0	ENE 4	ENE 3	SE 0
23	SSE	7·1	NE	SW 1	W 1	E 1	SE 2	E 2	Calm 0	N 2	ENE 4	Calm 0
24	SSE	7·8	NE	Calm 0	SW 4	E 1	SE 2	E 2	Calm 0	ENE 5	ENE 5	Calm 0
25	SE	8·5	NE	SW 3	SW 2	S 1	S 1	E 1	Calm 0	ENE 5	E 5	Calm 0
26	SE	6·1	NE	Calm 0	SW 1	N 1	SE 1	E 2	Calm 0	ENE 5	ENE 5	Calm 1
27	SE	4·5	SE	SW 1	WSW 4	N 2	S 1	E 3	NW 2	ENE 5	ENE 5	SE 0
28	SE	5·2	SE	Calm 0	WSW 4	W 1	S 2	E 2	Calm 0	E 5	E 4	Calm 0
29	SE	7·8	E	SW 1	SW 1	N 2	E 1	SE 2	NW 2	ENE 4	E 4	Calm 0
30	S	8·3	E	Calm 0	SW 1	E 2	S 1	NE 1	Calm 0	E 4	E 4	Calm 0
31	SSE	8·7	SE	N 1	SW 1	SW 1	S 1	NE 1	Calm 0	E 3	E 3	0·8
Mean	..	7·3	..	0·8	2·3	1·3	1·4	1·6	1·2	3·7	3·7	
§Resultant	160° (92)	..	85° (68)	240° (62)		145° (40)		90° (82)	315° (38)	80° (68)		135° (22)
§Normal	142° (88)	6·4	‖78° (83)	277° (38)		260° (29)		76° (77)	320° (9)	84° (41)		70° (44)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 2608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MARCH, 1920.

‡‡ *Spitsbergen.*—Along the west coast a little drift ice was observed off Bell Sound and King's Bay. Broken bay ice was lying in the fjords.

‡‡ *Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 5 days visible, 2 days heavy.

‡‡ *Greenland Sea and Denmark Strait.*—An edge of scattered polar ice was met with between 73° N. and 74° N. along the 5° W. meridian. At Angmagsalik there was polar ice everywhere.

‡‡ *N. Atlantic and Labrador.*—Twenty icebergs were seen on the Newfoundland Banks south of the 48th parallel, the normal being thirty-one. A piece of ice 10 m. by 1 m. was observed in 38° N. 41° W which is unusual.

‡‡ *Davis Strait.*—On the 7th a new mass of "Storis" rounded Cape Farewell and remained in sight. At Sagdlet, Julianehaab and Arsuk the sea was free of ice.

‡‡ *Smith Sound.*—Except that the sea was open at Cape Alexander there was ice everywhere in and north of Smith Sound.

‡‡ *Isforholdene i de arktiske Have*, 1920, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, APRIL 1920.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF APRIL 1920 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

APRIL—ZONE 1. Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
165	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
166	Inglefield Bay	77 27	66 40	?	1026·7	..	+10·3	..	?270·8	27th	..	?247·9	3rd	..	*260·3*	..	..	..
167	Upernivik	72 47	W56 7	18·9	1023·2	1025·6	+ 9·7	269·4	277·8	28th, 29th	257·8	245·0	5th	263·6	*262·8*	+4·3	52	+ 37
168	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1018·3	1019·8	+ 7·3	..	274·3	22nd	255·0	245·3	16th	..	260·1	+1·8	4	— 19
169	Björnöen	74 28	19 15	40·5	1008·4	1013·7	..	..	..	..	..	..	..	..	*265·3*	..	8	..
170	Gjesvaer	71 6	25 22	6·5	1009·5	1010·3	— 0·9	..	279·1	22nd	271·7	268·3	6th	..	*273·5*	+1·2	106	+ 69
171	Mehavn	71 1	27 47	6·4	1009·6	1010·4	+ 0·7	..	277·3	9th	271·1	267·2	14th	..	*273·1*	+1·4	68	+ 22
172	Vardö	70 22	31 8	10·0	1009·4	1010·7	— 1·2	..	277·0	8th	271·6	268·2	6th	..	*273·1*	+1·6	14	— 25
173	Malye Karmakouly	72 23	52 43	14·8	1006·4	1008·3	— 4·7	267·2	274·5	10th	259·4	252·0	12th	263·3	*263·4*	+0·5	..	..
174	Waigatz	70 24	58 47	11·2	..	...	..	266·5	274·7	11th	258·2	249·4	22nd	262·4	*262·7*	..	7	..
		N.	E.															

APRIL—ZONE 2. Between Latitude 70° N. and 60° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
175	Nome	64 30	165 24	6·7	..	1017·9	+ 6·7	263·9	276·3	27, 29, 30	253·4	241·3	8th	258·7	*258·8*	—5·7	23	+ 9
176	Candle	65 55	161 57	2·4	..	..	..	264·7	?283·0	29th, 30th	245·6	235·8	1st, 2nd	255·1	..	..	..	..
177	Tanana	65 10	152 6	67·1	..	1016·9	+ 1·7	272·6	283·0	28th	256·7	233·0	5th	264·7	*264·9*	—3·3	1	— 6
178	Rampart	65 30	150 15	122	..	..	..	271·3	281·3	29th	256·5	239·7	5th	263·9	..	..	0	— 7
179	Valdez	61 7	146 16	8·2	..	1013·5	+ 1·8	277·5	286·3	28th	266·8	258·6	1st	272·2	*272·0*	—1·9	13	— 69
180	Eagle	64 46	141 12	254	..	1015·6	+ 4·4	275·8	282·4	24th	258·8	239·1	2nd	267·3	..	—3·5	2	— 10
181	Dawson	64 4	139 20	328	974·3	1015·9	+ 3·4	275·8	282·4	27th	259·1	238·0	1st	267·4	..	—4·0	3	— 10
182	Carcross	60 11	134 34	662	..	..	..	274·8	281·9	29th	259·7	240·2	sev. dates	267·2	..	—4·7	0	— 8
183	Fort Good Hope	66 25	128 53	65·2	1012·5	1021·2	..	266·3	276·9	10th	251·9	234·1	3rd	259·1	..	..	17	— 6
184	Fort Simpson	61 52	121 35	129	1003·2	1019·9	..	274·1	283·6	13th	260·8	238·6	2nd	267·4	..	—3·5	4	— 27
185	Hay River	60 51	115 20	161	999·0	1019·9	..	270·2	284·7	17th	259·7	238·0	3rd	264·9	..	—3·1	6	..
186	Jacobshavn	69 13	51 2	12·6	1021·0	1022·6	+ 9·1	271·6	276·9	28th	262·3	256·3	6th	266·9	*267·4*	+4·1	3	— 9
187	Godthaab	64 11	51 43	9 0	1015·2	1016·4	+ 6·6	274·7	280·2	29th	267·9	262·4	20th	271·3	*271·1*	+2·2	..	..
188	Ivigtut	61 12	48 10	5·0	1015·5	1016·1	+ 7·4	278·5	282·9	1st	271·7	266·1	22nd	275·1	*275·1*	+2·7	17	— 45
189	Angmagsalik	65 37	37 33	31·7	1015·6	1019·7	+ 9·1	273·2	278·6	21st	262·8	254·6	17th	268·0	*267·3*	—1·0	13	— 48
190	Stykkisholm	65 5	22 46	11·3	1012·7	1014·1	+ 4·1	274·3	280·7	22nd	269·3	264·2	8th	271·8	*271·6*	—2·2	18	— 20
191	Vestmanno	63 26	20 15	7·7	1007·2	1008·2	— 0·1	277·5	283·0	24th	271·8	264·0	9th	274·7	*274·9*	—2·1	40	— 57
192	Grimsey	66 33	17 58	22·0	1011·0	1013·8	+ 2·4	272·1	276·8	19th	..	..	..	..	*270·5*	—1·4	..	..
193	Berufjord	64 40	14 19	18·0	1007·5	1009·7	— 0·6	275·5	282·2	20th	270·4	263·6	17th	272·9	*273·1*	—1·3	36	— 45
194	Thorshavn	62 3	6 45	26·3	1002·0	1005·3	— 5·4	278·6	282·0	21st, 23rd	274·6	268·9	9th	276·6	*276·4*	—1·4	75	— 18
195	Lerwick	60 9	W 1 8	18·0	1002·3	1004·4	— 6·8	280·8	283·6	24th	275·9	272·4	8th, 11th	278·3	*278·8*	+0·1	50	— 8
196	Bergen (Met. Obs.)	60 24	E 5 19	44·4	998·8	1004·2	— 9·4	282·2	288·2	2nd	276·7	272·7	11th	279·5	*279·3*	+0·7	166	+ 70
197	Christiansund	63 7	7 45	5·7	1003·8	1004·5	— 8·7	..	285·1	21st	275·8	271·3	12th	..	*279·3*	+1·7	38	— 17
198	Trondhjem	63 26	10 25	39·5	1007·0	1005·6	— 7·9	282·8	288·8	16th	274·8	270·3	12th	278·8	*278·4*	+1·9	17	— 40
199	Bodö	67 17	14 24	22·4	1004·4	1007·1	— 5·2	..	283·2	16th	274·3	271·0	14th	..	*277·1*	+2·2	18	— 29
200	Haparanda	65 50	24 9	9·2	1008·5	1009·7	— 3·8	276·4	279·5	28th	270·0	265·0	13th, 14th	273·2	*273·3*	+2·2	60	+ 37
201	Helsingfors	60 10	24 57	11·7	1010·2	1011·6	— 2·8	280·4	286·3	15th	275·4	272·4	21st	277·9	*277·6*	+2·9	85	+ 50
202	Kuopio	62 54	27 40	90·3	1000·0	1011·1	— 3·2	279·6	286·8	15th	272·5	266·8	21st	276·0	*276·5*	+2·4	96	+ 68
203	Kola	68 53	33 1	6·7	1010·3	1011·2	— 0·8	275·9	280·6	8th	270·4	265·3	14th	273·2	*273·1*	+1·7	54	+ 40
204	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Arkhangelsk	64 35	40 36	6·2	1012·6	1013·4	— 0·2	280·0	291·7	30th	272·9	263·0	5th	276·4	*276·2*	+4·4	61	+ 42
206	Mezen	65 50	44 16	12·6	1011·0	1012·6	— 1·6	278·0	291·6	30th	271·2	261·5	7th	274·6	*274·4*	+4·0	50	+ 39
207	Obst-Tsylma	65 25	52 14	? 70	1004·7	1013·6	— 1·5	277·6	292·2	30th	269·1	260·4	7th, 21st	273·4	*273·2*	+2·8	39	..
208	Tcherdyn	60 24	56 31	?177	..	..	..	..	..	..	..	..	..	..	..	..	..	..
209	Berezov	63 56	65 4	39·9	1011·4	1016·5	+ 0·4	..	290·2	18th	267·8	254·1	23rd	..	*272·6*	+5·4	33	+ 17
210	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
211	Sourgout	61 15	73 24	? 40	1011·9	1017·0	— 0·8	..	287·1	28th	265·7	248·0	9th	..	*271·9*	+3·7	30	+ 17
212	Doudinka	69 23	86 4	20	1003·0	1005·6	— 9·0	..	272·9	11th	252·9	242·7	18th	..	*257·3*	..	6	..
213	Touroukhansk	65 47	87 57	45	1005·9	1011·8	— 3·7	..	278·4	27th	257·9	243·0	8th	..	*263·5*	+0·7	47	+ 30
214	Viliouisk	63 45	121 35	?120	1005·0	1020·5	..	..	279·7	5th	262·6	253·5	11th	..	*268·1*	+3·2	8	+ 3
215	Iakoutsk	62 1	129 43	108	1003·8	1017·7	+ 3·1	..	278·0	6th, 25th	260·7	248·1	13th	..	*268·4*	+4·5	4	— 5
216	Verkhoïansk	67 33	133 23	100	994·3	1007·0	— 7·4	..	280·2	6th	258·6	238·4	3rd	..	*268·1*	+8·9	..	..
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1013·9	+ 4·6	..	..	..	..	..	..	..	‡268·4	..	..	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1015·9	+ 5·9	276·6	289·1	30th	271·3	266·3	9th, 12th	273·9	..	—0·7	..	..
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	272·7	280·8	22nd	263·2	250·8	2nd	267·9	..	..	29	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	..	..	‡275·9	285·8	30th	‡270·0	‡262·4	1st	‡272·9	..	..	‡28	..
309	Sitka	57 3	135 19	27·4	..	1014·2	+ 0·8	280·2	289·1	29th	271·8	261·9	2nd	276·0	*275·9*	—2·1	106	— 54
310	Prince Rupert	54 18	130 18	51·8	1007·0	1013·4	0·0	280·8	288·0	30th	274·1	267·4	2nd	277·4	*277·3*	—2·3	111	+ 74
311	Barkerville	53 2	121 35	1274	864·2	1012·6	— 2·0	276·3	282·4	26th	266·3	250·8	3rd	271·3	*271·1*	—3·1	124	+ 7
312	Kamloops	50 42	120 29	385	971·1	1017·5	0·0	286·9	297·4	26th	274·1	262·4	3rd	280·5	*280·5*	—2·3	10	..
313	Calgary	51 2	114 2	1045	892·0	1014·8	+ 0·9	275·8	286·9	26th	266·9	250·8	2nd	271·3	*270·8*	—6·1	54	+ 35
314	Fort Chipewyan	58 42	111 10	218	992·1	1020·0	..	273·0	281·9	17th, 18th	261·3	239·7	3rd	267·2	*268·1*	—3·9	8	— 13
315	Prince Albert	53 10	105 38	442	964·1	1019·2	+ 5·0	276·3	286·3	20th	264·7	246·9	4th	270·5	*270·7*	—4·8	8	— 4
316	Qu'Appelle	50 30	103 47	645	938·2	1017·6	+ 3·0	274·7	283·6	19th	265·2	249·7	2, 3, 4	269·9	*269·7*	—6·0	24	— 19
317	Minnedosa	50 15	99 50	515	953·1	1017·1	+ 0·7	275·2	286·9	19th	264·1	247·4	4th	269·7	*269·1*	—6·4	7	..
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	..	..	..	..	..	..	..
318*a*	Port Nelson	57 4	92 36	14·9	1017·5	1019·4	+ 2·4	269·1	281·9	19th	260·2	248·6	1st	264·7	..	0·0	50	+ 20
319	Fort Hope	51 33	87 49	‡260	980·0	1012·8	..	274·1	283·0	20th	264·1	241·3	5th	269·1	*268·9*	—3·3	38	+ 30
320	Moose Factory	51 14	80 30	9·1	1008·2	1009·4	— 8·2	276·3	285·8	26th	268·0	257·4	8th	272·2	..	+1·6	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	276·3	283·0	25th	267·3	252·4	4th	271·8	*271·8*	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	276·3	282·4	25th	266·2	255·8	5th	271·3	..	+1·2	28	+ 12
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	276·2	284·7	21st	268·6	266·3	2nd	272·4	..	+0·2	71	+ 5
326	Belle Isle	51 53	55 23	133	..	..	..	..	..	..	..	..	..	..	..	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1003·7	1005·4	— 7·7	283·5	285·2	18th, 24th	278·7	274·7	17th	281·1	281·3	—0·5	156	+ 59
335	Aberdeen	57 10	W 2 6	20·8	1001·2	1004·5	— 8·0	281·1	288·6	24th	276·9	273·6	8th	279·0	279·1	—0·1	54	+ 31
336	Greenwich	51 28	0 0	46·3	1001·1	1006·7	— 7·1	286·8	291·9	24th	278·3	273·6	30th	282·5	282·0	+0·8	68	..
337	Uccle	50 48	E 4 22	100	999·3	1008·4	— 5·7	287·5	291·3	23rd, 24th	279·0	274·6	22nd	283·2	282·4	+1·5	106	+ 53
338	De Bilt	52 6	5 11	3·0	1007·0	1007·4	— 6·8	286·8	291·6	16th	278·8	273·1	22nd	282·8	282·3	+1·3	88	+ 39
338*a*	Hamburg	53 33	9 58	26·0	1004·7	1007·9	— 5·2	286·9	291·0	18th	279·6	275·4	29th	283·3	*283·2*	+2·7	82	+ 64
339	Copenhagen	55 41	12 36	5·0	1006·8	1007·4	— 6·3	283·2	287·7	14th	278·3	275·8	4th	280·7	*280·9*	+2·1	99	+ 65
340	Potsdam	52 23	13 4	84·9	999·1	1009·4	— 4·7	288·6	295·0	18th	280·1	275·4	4th	284·3	283·7	+2·9	101	+ 70
340*a*	Uppsala	59 51	17 38	24	1005·5	1008·4	— 5·4	282·4	287·6	16th	274·9	270·8	7th	278·6	278·3	+2·5	48	+ 20
341	Warsaw	52 13	21 1	133	996·0	1011·9	— 5·4	290·8	298·6	22nd	281·0	275·5	8th	285·9	285·8	+5·2	12	+ 17
342	Dorpat (Jurjev)	58 23	26 43	74·5	1004·2	1013·3	— 0·6	286·3	296·3	14th	277·5	272·0	2nd, 21st	281·9	281·5	+5·1	44	..
343	Petrograd	59 56	30 16	4·8	1013·2	1013·8	— 0·5	285·0	294·9	16th	277·0	270·9	21st	281·0	*280·7*	+5·7	60	+ 43
344	Kiev	50 27	30 30	183	995·8	1017·8	+ 3·2	291·3	300·5	20th	280·8	276·1	2nd	286·0	*285·5*	+5·6	7	— 36
344*a*	Moscow	55 50	37 33	167	1001·2	1021·6	+ 5·1	288·0	295·8	19th	275·9	267·5	2nd	282·0	*282·2*	+5·9	8	— 25
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1016·8	1026·7	+ 9·8	287·3	297·8	30th	275·8	268·7	1st	281·6	*281·3*	+5·3	1	— 25
347	Orenburg	51 45	55 6	109	1014·0	1027·5	+ 9·4	287·7	298·1	30th	273·8	267·9	23rd	280·8	*280·9*	+4·5	0	— 20
348	Perm	58 1	56 16	159	1003·1	1022·7	+ 6·4	..	295·0	30th	274·6	266·3	23rd	..	*279·5*	+4·9	8	— 14
349	Ekaterinburg	56 50	60 38	281	988·6	1023·1	+ 5·2	285·3	297·1	30th	273·6	264·6	23rd	279·4	*279·5*	+5·2	1	— 10
350	Tobolsk	58 12	68 14	?108	1005·8	1019·2	— 0·1	..	295·5	28th	272·4	261·0	9th	..	*277·9*	+4·8	7	..
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	1004·4	1024·9	+ 3·0	..	294·6	29th	269·3	258·1	1st	..	*275·8*	+2·0	7	— 8
354	Tomsk	56 30	84 58	122	1006·6	1022·1	+ 1·9	..	285·7	20th	268·2	254·2	10th	..	*272·8*	+1·2	24	..
355	Minousinsk	53 43	91 41	249	992·8	1023·5	+ 2·2	..	296·8	23rd	..	..	..	..	*277·9*	..	3	+ 13
356	Eniseisk	58 27	92 10	77·6	1008·4	1018·2	— 0·4	..	285·9	20th	268·1	254·5	11th	..	*272·6*	+1·3	17	+ 3
357	Irkutsk	52 16	104 19	467	964·7	1021·9	+ 2·3	..	298·5	24th	270·3	259·9	1st	..	*276·1*	+2·0	31	+ 3
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	674	935·2	1016·8	+ 2·1	..	300·1	25th	268·5	260·6	4th	..	*275·9*	+2·7	13	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	967·6	1014·0	..	282·7	299·0	25th	267·1	252·8	5th	274·9	*275·6*	..	15	+ 20
362	Blagovyeshchensk (Bureau Météor)	50 16	127 30	142	995·5	1012·9	+ 1·9	286·6	300·9	26th	273·4	267·3	1st	280·0	*279·4*	+4·6	43	..
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1012·6	1014·3	+ 6·6	276·8	284·2	27th	269·9	264·2	1st	273·4	*272·8*	..	47	..
369																		
371	Attu Island	52 56	173 13	4·9	..	1014·9	+ 7·1	277·4	281·3	6th	271·1	266·3	2nd	274·3	..	..	67	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1007·8	1016·4	— 0·9	284·1	291·3	25th	276·9	271·9	2nd	280·5	280·1	—0·9	37	— 7
412	Portland, Oregon	45 32	122 41	46·6	1012·5	1017·9	+ 0·2	286·2	298·6	26th	277·8	274·7	23rd	282·0	*281·8*	—1·9	121	+ 43
413																		
414	Macleod	49 44	113 24	953	..	..	..	277·7	290·2	27th	268·4	253·0	4th	273·1	*273·3*	—6·0	73	+ 59
414*a*	Helena	46 34	112 4	1253	868·8	1012·2	— 2·4	280·7	289·7	19th	271·5	259·1	2nd	276·1	*276·1*	—3·3	43	+ 15
415	Salt Lake City	40 46	111 54	1329	862·6	1010·8	— 2·1	284·2	293·0	30th	275·1	267·4	3rd	279·7	*279·7*	—3·4	80	+ 29
416	Cheyenne	41 8	104 48	1856	805·6	1011·3	— 2·1	277·8	288·6	7th	267·7	253·0	4th	272·8	*273·3*	—5·0	101	+ 57
416*a*	North Platte	41 8	100 45	859	911·3	1011·5	— 2·2	283·4	295·2	14th	272·0	264·7	4th	277·7	*277·5*	—4·9	87	+ 33
417	Bismarck	46 47	100 38	511	954·7	1016·6	+ 1·1	280·3	288·0	30th	268·6	257·4	4th	274·4	*274·4*	—4·5	11	— 31
418	Winnipeg	49 53	97 7	232	987·5	1016·7	0·3	276·9	288·6	19th	266·3	256·3	2nd	271·6	*271·5*	—4·0	8	— 30
419	Duluth	46 47	92 6	345	970·1	1012·5	— 3·7	277·1	288·0	29th	268·5	255·8	4th	272·8	*272·7*	—3·4	36	— 9
419	Port Arthur	48 27	89 12	196	987·0	1011·4	— 5·5	278·0	285·8	29th	268·6	256·3	4th, 5th	273·3	*273·3*	—1·1	28	— 11
420	Chicago	41 53	87 37	251	979·9	1010·5	— 5·4	283·1	295·8	22nd	275·2	266·3	6th	279·1	*278·4*	—1·9	120	+ 50
421	Toronto	43 40	79 24	116	994·9	1009·2	— 6·5	281·9	288·6	19th	273·6	265·2	8th	277·7	*277·2*	—0·5	83	+ 22
422	New York (Central Park)	40 47	73 58	47·4	1005·1	1008·8	— 6·8	286·9	297·4	22nd	276·9	270·8	8th	281·9	281·3	—1·2	134	+ 47
423	St. John, N.B.	45 17	66 4	36·2	1003·2	1007·7	— 5·6	280·2	289·7	20th	272·4	266·3	1st	276·3	*275·5*	—0·6	127	+ 38
424	S.W. Point, Anticosti	49 24	63 35	9·1	1007·8	1009·0	— 3·3	275·2	280·8	19th	270·2	260·8	2nd	272·7	*273·1*	+0·1	122	+ 88
425	Sable Island (Main Station)	43 57	60 6	7·6	1006·5	1007·5	— 6·8	277·4	281·3	15th	274·1	268·0	2nd	275·8	*275·7*	—0·3	126	+ 33
425	Port aux Basques	47 35	59 10	9·1	1006·4	1007·6	— 5·9	276·3	281·3	20th, 28th	270·8	260·8	3rd	273·6	*273·4*	0·0	99	+ 5
426	St. John's, Newfoundland	47 34	52 42	38·1	999·2	1003·9	— 7·4	277·4	283·0	6th, 16th	271·9	256·3	2nd	274·7	*274·4*	—0·2	140	+ 35
427																		
428	Madrid	40 24	3 41	667	938·3	1015·4	+ 0·5	291·9	298·6	28th	280·6	276·2	22nd	286·3	*285·7*	+1·6	26	— 15
429	Nantes	47 15	W 1 34	36·5	1006·7	1011·1	— 3·5	287·0	293·9	8th	279·2	274·3	30th	283·1	283·1	—0·6	79	+ 32
430	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1004·7	1010·8	— 3·9	288·1	293·0	17th	278·8	274·2	29th, 30th	283·5	283·2	+0·3	64	+ 20
431	Marseille	43 18	5 23	75	..	1010·6	— 2·1	291·9	297·5	25th	281·4	275·5	7th	286·7	*286·2*	+0·6	85	+ 38
432	Zürich	47 23	8 33	493	955·1	1013·4	— 1·1	287·9	295·9	15th	278·3	273·5	7th	283·1	282·3	+0·5	69	— 22
433	Rome	41 54	12 27	50·6	1006·4	1012·5	— 0·4	292·6	297·1	18th	282·9	278·2	8th	287·7	*287·5*	+1·0	46	— 22
434	Vienna	48 15	16 22	203	987·2	1011·4	— 2·2	289·8	298·0	19th	281·2	275·0	8th	285·5	285·2	+2·8	50	0
435	Budapest	47 31	19 2	130	996·4	1011·9	— 1·0	293·4	303·2	19th	282·4	276·1	8th	287·9	*287·3*	+3·9	81	+ 23
436	Sofia	42 42	23 20	550	949·8	1013·7	+ 0·5	292·7	300·1	20th	279·6	274·3	9th	286·1	*286·1*	+3·2	22	— 32
437	Bucharest	44 25	26 5	82	1004·5	1014·3	0·0	294·0	301·2	19th	280·6	276·5	3rd	287·3	287·1	+2·8	17	— 30
438	Odessa (University)	46 26	30 46	42·8	1011·1	1016·3	+ 1·4	288·1	295·3	21st	281·3	276·5	2nd	284·7	*284·1*	+2·8	19	— 6
439	Kharkov (University)	50 0	36 14	140	1003·9	1020·8	+ 4·4	291·0	300·1	21st	278·1	272·9	3rd	284·6	*284·5*	+4·5	9	— 26
440	Novorossiisk	44 44	37 49	37·1	1010·6	1015·1	+ 0·2	290·2	296·5	16th	282·0	275·0	1st	286·1	*285·9*	+2·5	12	— 37
441	Tiflis	41 43	44 48	404	971·8	1019·6	+ 3·4	290·4	297·6	22nd	..	..	..	..	*285·4*	+0·7	56	+ 1
442	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
443	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
444	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
445	Aralskoe More	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
446	Tachkent	41 20	69 18	478	963·4	1020·0	+ 3·8	290·1	300·7	22nd	278·7	273·0	27th	284·4	*283·9*	—3·1	53	— 3
447	Narynskoe	41 26	76 2	?2015	794·7	1013·2	..	..	..	29th	272·4	265·9	1st	..	*277·4*	—1·8	56	..
448	Vernyi	43 16	76 53	841	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Moukden	41 48	123 23	43·8	1010·7	1016·0	+ 1·5	291·1	302·1	27th	276·2	271·0	6th	283·7	283·5	+2·3	26	0
450	Joshin	40 40	129 11	31·9	1012·4	1016·4	+ 2·6	283·9	296·7	19th	276·0	273·1	14th	279·9	279·4	—0·4	19	— 7
451	Yuki	42 20	130 24	65·6	1007·8	1015·9	+ 2·6	282·9	291·3	18th	274·3	270·7	9th	278·6	278·0	—0·1	68	+ 29
452	Vladivostok	43 7	131 55	128	1000·3	1016·2	+ 1·8	281·1	289·3	29th	274·5	272·9	3rd, 19th	277·8	277·2	—0·3	60	+ 29
453	Ochiai	47 20	142 46	6·6	1016·0	1016·8	+ 5·3	276·7	288·9	26th	269·3	260·9	11th	273·0	273·0	—0·4	24	— 26
454	Nemuro	43 20	145 35	26·7	1013·0	1016·4	+ 2·7	279·2	289·0	26th	273·0	269·6	8th	276·1	275·9	0·0	118	+ 45
455	Syana	45 14	147 53	39·3	1011·6	1016·6	+ 3·3	278·0	286·1	20th	271·8	265·1	12th	274·9	274·6	+0·3	91	+ 26
		N.	E.															

Between Latitude 40° N. and 30° N.

APRIL—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
461	San Francisco	37 48	122 26	47·2	1010·9	1016·6	— 1·0	289·7	299·1	26th	281·7	279·7	27th	285·7	*284·8*	—0·3	35	— 2
462	San Luis Obispo	35 18	120 39	61·3	1009·7	1017·3	— 0·2	291·6	299·7	27th	279·6	275·2	18th	285·6	*284·4*	—1·3	42	+ 6
463	San Diego	32 43	117 10	26·5	1012·0	1015·2	— 0·6	290·7	298·0	5th	283·8	280·2	18th	287·2	*287·0*	—0·6	12	— 5
464	Modena	37 48	113 54	1670	828·2	1009·1	— 3·2	286·9	296·3	29th	271·4	263·0	1st	279·2	*278·9*	—1·9	11	— 12
465	Santa Fé	35 41	105 57	2138	780·2	1007·4	— 3·4	284·3	293·6	30th	271·5	262·4	4th	277·9	*277·9*	—3·8	19	— 5
466	Denver	39 45	105 0	1613	830·4	1010·1	— 2·2	282·3	293·0	9th	271·3	258·6	4th	276·8	*276·6*	—5·1	65	+ 12
466*a*	Abilene	32 23	99 40	530	947·5	1008·1	— 4·9	298·1	306·9	29th	281·9	269·7	4th	290·0	*290·1*	—0·9	7	— 59
467	Saint Louis	38 38	90 12	173	988·7	1009·1	— 6·2	288·4	299·7	21st	278·8	267·4	5th	283·6	*283·7*	—2·7	87	— 3
468	Mobile	30 41	88 2	17·4	1009·7	1011·8	— 5·0	296·4	302·4	4th	287·8	276·3	5th	292·1	*292·4*	+0·6	150	+ 27
469	Nashville	36 10	86 47	166	991·5	1011·5	— 4·9	292·2	302·4	22nd	280·7	270·8	5th	286·4	*286·6*	—1·5	218	+107
470	Charleston	32 47	79 56	14·6	1010·9	1012·5	— 4·8	295·1	301·9	17th	286·5	275·2	6th	290·8	*291·1*	+0·4	188	+114
471	Washington	38 54	77 3	34·1	1006·4	1010·5	— 5·8	289·5	301·9	22nd	279·4	272·4	6th	284·4	*284·5*	—0·2	119	+ 38
472	Bermuda	32 17	64 46	46·0	1010·1	1015·5	— 1·8	294·7	297·4	28th	288·6	284·1	12, 13, 15	291·6	*291·6*	—0·1	37	— 65
473	Santa Cruz (Flores)	39 27	31 9	28	1011·0	1014·0	— 6·9	291·9	292·8	12th	286·8	281·3	15th	289·3	*289·2*	+1·2	59	— 50
474	Horta	38 32	28 38	65	1007·7	1014·9	— 6·2	290·0	293·3	30th	285·5	282·1	14th	287·8	288·1	—0·4	125	+ 50
475	Ponta Delgada	37 44	25 40	22	1014·2	1016·0	— 5·3	289·7	292·5	21st	286·3	283·4	15th	288·0	288·4	+0·3	..	..
476	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	116	+ 36
477	Madeira (Funchal)	32 37	16 54	25	‡1016·6	‡1019·6	+ 0·7	293·3	300·0	22nd	287·6	286·3	19th	290·5	*290·5*	+1·3	36	— 13
478	Lisbon	38 43	9 9	95	1005·4	1016·7	+ 0·8	291·9	299·0	27th	285·6	283·2	21st	288·7	*288·5*	+1·4	37	— 32
479	Gibraltar	36 6	5 21	16·2	1015·7	1017·6	+ 0·9	293·4	296·1	26th	285·4	282·1	1st	289·0	*289·4*	—0·1	25	— 43
480	Melilla	35 18	2 59	8	1016·3	1017·2	— 0·9	294·7	299·2	5th	285·3	282·6	20th	290·0	*291·3*	+0·2	2	— 55
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	m.m

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

APRIL—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1011·5	1014·2	+ 0·2	293·0	298·2	30th	283·4	280·0	1st, 23rd	288·2	..	+0·1	8	— 29
538	Algiers (Bouzaréah)	36 48	3 2	343	975·1	1015·1	0·0	292·6	302·4	8th	284·9	281·0	22nd	288·8	288·2	+2·0	19	— 33
539	Tunis	36 48	10 10	21	1013·7	1016·2	..	294·7	302·6	17th	284·0	279·5	2nd	289·3	*288·7*	+1·1	18	— 8
539*a*	Malta	35 54	14 31	56·4	..	1013·4	— 0·7	290·6	297·3	26th	285·6	279·9	2nd	288·1	*287·3*	—1·0	15	— 3
540	Riposto	37 41	15 14	14·2	..	1016·7	+ 1·5	291·4	293·8	14th, 16th	285·8	282·4	23rd	288·6	*288·1*	—0·1	8	— 5
541	Athens	37 58	23 43	107	1000·9	1013·7	+ 0·6	293·7	298·8	18th	285·2	282·0	11th	289·4	289·4	+1·6	27	— 3
542	Alexandria	31 12	29 53	32·0	1011·0	1014·7	+ 0·6	297·3	306·5	5th	287·3	284·9	6th	292·3	*291·9*	+0·5	0	— 3
543	Cairo (Helwan)	29 52	31 20	116	1000·1	1013·6	+ 0·6	303·1	311·2	6th, 24th	287·4	283·6	14th	295·3	295·2	+1·3	0	— 13
544	Nicosia (P.W.D.)	35 9	33 22	159	994·7	1013·4	+ 1·4	296·1	303·6	24th	282·9	278·6	16th	289·5	..	+0·4	35	— 17
544*a*	Beirut	33 54	35 28	33·7	..	1013·8	+ 0·4	294·7	304·1	6th	287·6	285·7	1st	291·2	*290·9*	—0·1	39	— 19
545	Baghdad	33 21	44 28	38·1	..	1011·7	— 0·7	302·3	308·3	11th	288·4	282·2	20th	295·4	*292·3*	+1·0	2	— 5
546	Lenkoran	38 46	48 52	—20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Tehran	35 41	51 25	1220	..	..	..	293·1	299·4	11th	282·1	273·0	3rd	287·6	*287·9*	—0·8	54	+ 20
548	Meshed	36 16	59 35	946	..	..	..	290·2	300·2	22nd	277·3	272·9	26th	283·8	..	—3·4	72	+ 23
549	Seistan	31 0	61 30	?	..	..	..	299·4	306·9	23rd	284·6	271·9	4th	292·0	..	..	0	..
550	Quetta	30 11	67 3	1677	833·3	..	+ 0·4	295·1	300·4	22nd	279·4	271·7	5th	287·3	*287·6*	—1·2	20	..
551	Peshawar	34 2	71 37	339	972·9	1012·3	+ 1·1	‡300·5	306·6	30th	‡286·2	281·6	8th	‡293·3	*‡293·1*	—2·4	32	— 12
551*a*	Lahore	31 34	74 20	214	984·2	1008·5	+ 0·9	306·4	311·7	30th	290·7	284·3	6th	298·6	*298·4*	—1·8	1	— 33
552	Simla	31 7	77 8	2205	781·5	..	+ 0·7	291·1	295·6	30th	283·4	278·1	3rd	287·2	*287·5*	—0·4	12	— 3
552*a*	Leh	34 10	77 42	3503	665·9	..	— 0·3	283·9	287·9	30th	271·5	268·5	13th	277·7	*277·1*	—1·4	3	— 10
559	Hankow	30 35	114 17	37·0	1013·4	1017·8	+ 2·3	293·8	301·5	21st	285·5	281·0	8th	289·7	*289·4*	0·0	33	— 107
560	Tientsin	39 10	117 10	5·0	1016·7	1017·3	+ 2·0	296·0	303·1	23rd	281·5	275·6	4th, 6th	288·7	*288·3*	+2·3	7	— 9
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1018·2	+ 2·7	290·4	296·9	20th	281·6	277·3	27th	286·0	285·6	—0·9	94	— 23
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1010·1	1018·4	+ 3·3	287·5	292·6	29th	279·2	275·9	3rd, 4th	283·3	282·6	+0·1	41	— 25
562*a*	Nagasaki	32 44	129 52	133	1001·0	1016·9	+ 1·5	292·1	296·4	29th	282·7	279·3	8th	287·4	286·9	—0·3	60	— 83
563	Kyoto	35 1	135 44	42·9	1012·1	1017·3	+ 2·0	293·1	299·5	20th	279·2	272·9	8th	286·1	285·2	0·0	86	+ 85
564	Tokyo	35 41	139 45	21·3	1013·9	1016·5	+ 1·1	290·4	296·3	19th	281·3	277·0	23rd	285·8	285·6	0·0	104	+ 102
565	Kanayama	37 53	140 46	24·6	1013·7	1016·7	+ 1·3	288·4	298·5	19th	277·6	270·8	8th	283·0	282·8	+0·3	250	+ 112
566	Miyako	39 38	141 59	30·4	1012·5	1016·2	+ 1·2	286·9	297·8	19th	275·9	271·6	8th	281·4	280·8	—0·4	211	— 11
		N.	E.															

APRIL—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1020·0	— 0·3	..	..	..	289·1	286·3	25th	..	..	..	154	..
605	Honolulu	21 19	157 52	11·6	1016·0	1017·3	— 0·8	298·8	300·8	..	293·5	291·3	..	296·1	*295·9*	+0·3	24	— 34
614	La Paz	24 10	110 20	12	1009·9	1011·4	..	304·3	310·6	24th	286·0	282·4	20th	295·1	..	..	0	..
615	Chihuahua	28 38	106 4	1423	855·3	1008·3	..	298·5	302·0	23rd, 30th	282·3	272·7	18th	290·4	*290·1*	..	8	..
616	Leon	21 7	101 41	1809	818·9	1004·7	— 1·9	302·7	305·2	23rd	284·6	281·0	3rd	293·6	..	—0·3	5	..
616*a*	Monterry	25 40	100 18	528	948·2	1006·7	..	306·5	313·0	17th	289·5	280·3	28th	298·0	*296·3*	..	4	..
617	Tulancingo	20 5	98 22	2180	789·9	..	..	..	302·0	..	..	279·0	..	..	291·4	+0·8	22	— 15
618	Galveston	29 18	94 50	16·5	1008·6	1010·5	— 4·8	295·3	300·8	20th	289·4	278·0	5th	292·6	*292·7*	—0·7	18	— 35
618*a*	New Orleans	29 57	90 4	16·2	..	1011·2	— 4·9	297·7	303·6	17th	289·5	278·6	5th	293·6	*293·4*	+0·5	199	+ 73
619	Merida, Yuc.	20 58	89 38	22	1006·7	1009·1	..	308·2	312·2	16th	296·9	291·2	6th	302·5	*301·8*	..	1	— 12
620	Havana	23 8	82 21	24·3	..	1013·9	— 2·1	302·3	304·9	23rd	295·3	292·0	7th	298·8	298·6	+1·5	57	+ 15
620*a*	Key West	24 33	81 48	6·7	1013·0	1013·9	— 2·6	300·7	303·6	29th	295·5	289·1	6th	298·1	*297·9*	+0·7	85	+ 55
621	Nassau, Bahamas	25 5	77 21	3·7	..	‡1015·1	— 2·1	301·5	‡304·1	27th	296·5	293·0	6th	299·0	*298·9*	+2·1	110	+ 71
622	Watling Island	24 6	74 26	33·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
633	Izaña	28 19	16 30	2367	768·0	..	..	286·6	292·1	25th	277·9	270·6	9th	282·3	*281·8*	..	0	..
634	La Laguna	28 28	W16 20	547	952·2	1015·7	— 0·3	293·4	299·7	23rd	283·1	278·5	14th	288·3	*287·6*	+0·9	11	— 5
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	—23	..	..	..	304·3	311·2	5th	285·0	282·8	sev. dates	294·6	..	..	0	..
642																		
643	Aswan	24 2	32 53	99·6	999·6	1010·8	— 0·3	309·7	316·5	25th	291·7	284·8	11th, 13th	300·7	*300·6*	+1·9	0	..
644	Tor	28 14	33 37	1·9	1011·6	1011·9	+ 0·9	301·7	307·8	6th	288·6	283·9	1st	295·2	*294·7*	+0·3	0	..
647	Bushire	28 59	50 53	4·3	1011·1	1011·6	+ 0·1	300·6	311·4	18th	292·9	285·8	4th	296·7	*296·0*	+0·3	0	..
648	Jask	25 44	57 47	4·0	1010·1	1010·6	+ 0·2	304·1	307·2	11th	293·7	288·6	4th	298·9	*298·2*	—0·7	0	..
649	Karachi	24 53	66 57	4·0	1009·8	1010·2	+ 1·1	303·5	308·8	28th	296·1	291·7	5th	299·8	*299·1*	+0·3	0	..
650	Jacobabad	28 17	68 29	56·7	1002·7	1009·1	+ 1·7	311·7	317·9	15th	293·4	285·3	6th	302·6	*302·1*	+0·3	0	..
651	Jaipur	26 56	75 52	436	961·1	1009·1	+ 0·9	310·2	314·0	23rd	292·9	287·1	11th	301·6	*301·5*	—1·7	0	..
652	Nagpur	21 8	79 5	310	974·9	1009·1	+ 1·1	312·3	316·0	24th	296·6	291·8	1st	304·4	*304·2*	—1·1	13	..
653	Allahabad	25 25	81 51	94·1	997·9	1008·4	+ 1·2	312·9	317·7	25th	294·9	288·7	7th	303·9	*303·6*	—0·1	0	..
653*a*	Darjeeling	27 3	88 18	2266	775·7	..	— 0·1	290·8	294·3	30th	282·0	278·7	1st	286·4	*286·7*	+0·4	60	..
654	Calcutta	22 36	88 23	6·4	1007·8	1008·4	+ 0·3	307·6	312·6	30th	297·8	293·7	12th	302·7	*302·4*	0·0	1	..
655	Gauhati	26 8	91 41	59·7	1004·0	1010·9	+ 1·1	302·3	307·1	30th	292·2	288·2	1st	297·3	*296·2*	—0·7	154	..
655*m*	Cherrapunji	25 15	91 42	1314	868·7	..	+ 0·9	294·3	297·3	22nd	286·9	283·4	1st	290·6	*289·9*	—0·4	497	..
655*a*	Akyab	20 11	92 56	6·1	1009·6	1010·3	— 0·1	305·7	306·9	25th, 29th	295·8	292·8	1st	300·8	*300·5*	—0·9	5	..
656	Mandalay	21 59	96 0	76·2	1000·8	1009·2	+ 0·2	313·3	315·8	30th	298·4	293·5	2nd	305·9	*305·4*	+0·6	0	..
656*a*	Tengyueh	24 59	98 35	1633	833·4	1008·2	..	294·8	298·6	21st, 23rd	281·1	275·8	1st	288·0	*287·3*	..	36	..
657	Phu Lien	20 48	106 38	116	997·8	1011·2	+ 0·5	298·6	303·3	29th	293·3	287·9	9th	295·9	295·4	0·0	57	..
658	Moncay	21 31	107 51	9·0	1010·9	1012·0	+ 1·1	297·5	302·0	3rd	292·2	287·5	10th	294·9	*294·9*	—0·9	196	..
659	Hongkong	22 18	114 10	33·2	..	1013·0	+ 0·3	295·9	300·8	19th	292·2	288·4	7th	294·1	293·7	—0·6	210	..
660	Amoy	24 27	118 4	ca.3	1015·1	1015·5	+ 0·5	293·8	298·0	2, 3, 21	289·0	284·7	6, 7, 11	291·4	*291·2*	—1·0	89	..
661	Taihoku, Formosa	25 2	121 31	9·3	1013·8	1014·9	+ 0·9	295·8	303·9	2nd	289·6	283·3	11th	292·7	292·2	—1·6	116	..
661*a*	Basco	20 28	121 59	18·7	1007·6	1010·0	— 0·9	302·5	304·9	25th	295·6	292·0	12th	299·1	*298·9*	—0·2	116	..
662	Naha	26 13	127 41	10·5	1012·3	1013·6	— 0·8	297·9	301·1	4th	291·2	287·9	28th	294·5	294·3	+0·4	166	..
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1015·2	1015·7	— 0·2	296·2	298·4	2nd	290·4	287·2	1st	293·3	293·0	—0·6	114	..
		N.,	E.,	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. **APRIL—ZONE 7.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
705	Colima	19 12	103 45	509	954·7	1010·3	..	301·0	304·1	30th	292·8	289·4	20th	296·9	*296·5*	..	0	..
706	Morelia	19 42	101 7	1923	807·3	1004·4	..	297·8	299·8	17th	..	..	..	..	*292·6*	..	3	..
708	Mexico, Tacubaya	19 24	99 12	2309	772·5	1000·5	— 2·1	301·3	303·2	25th	282·1	278·6	5th	291·7	291·1	+1·4	1	— 18
709	Salina Cruz	16 12	95 12	56	1004·4	1010·8	..	300·8	305·2	30th	296·6	294·0	7th	298·7	*298·3*	..	0	..
709	San Salvador	13 42	89 13	682	933·3	1008·2	— 2·1	308·7	311·5	30th	290·0	286·5	18th	299·3	*297·2*	0·0	0	— 60
710	Belize	17 29	88 12	5·2	1010·3	1014·3	+ 1·2	303·6	306·3	14th	297·5	291·3	6th	300·5	*300·1*	+0·6	7	— 60
711	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·2	— 0·2	302·7	304·3	sev. dates	295·1	292·4	25th	298·9	*298·5*	+0·5	14	— 63
712	Port au Prince	18 34	72 22	37·4	1010·2	1014·5	0·0	307·2	309·6	16th	295·0	292·0	10th	301·1	*300·5*	+1·3	70	— 95
713	Caracas	10 30	66 55	1042	900·8	1010·7	+ 2·3	301·4	304·0	11th, 12th	287·6	284·6	4th	294·5	*292·8*	—0·5	0	— 42
714	Montserrat	16 41	62 9	39·6	1011·4	1015·9	+ 0·9	305·2	306·3	8, 21, 28	295·4	292·4	20th	300·3	*299·7*	..	0	..
715	Grenada (Richmond Hill)	12 5	61 46	155	‡996·2	‡1014·1	+ 1·3	301·6	303·6	6th	296·1	294·1	2nd	298·8	*298·4*	—0·3	8	— 50
716	Barbados	13 8	59 36	55·2	..	1015·7	+ 1·6	302·5	303·4	15th	294·8	292·6	4th	298·7	*298·4*	+0·3	5	— 37
721	São Vicente, C. Verde Is.	16 54	25 4	11	1014·5	1015·8	+ 1·3	296·2	299·0	30th	..	..	..	..	*294·8*	—0·2	0	0
722	San Tiago, C. Verde Is.	14 54	23 31	?40	..	..	..	299·5	304·0	14th	293·0	291·6	22nd	296·3	*296·6*	0·0	0	— 1
723	Bathurst	13 27	16 36	1·8	1013·4	1013·6	+ 0·1	306·0	311·3	13th	..	..	..	..	..	..	0	0
724	M'Carthy Island	13 33	14 45	1·1	..	..	..	313·1	315·2	11th	295·3	291·3	6th	304·2	..	—0·1	0	0
725	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
726	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
727	Sokoto	13 2	E 5 14	353	..	..	..	313·3	315·8	8th	298·3	294·1	1st, 11th	305·8	*305·4*	—0·1	0	— 4
728	Kaduna Capital	10 32	7 25	637	943·5	1013·9	+ 0·9	307·1	309·7	3, 8, 14	294·6	291·9	20th	300·9	*300·4*	+0·4	150	+ 66
729	Hadeija	12 40	10 5	?	..	..	..	316·4	319·1	25th	295·2	290·8	1st	305·8	*305·4*	+0·7	18	..
730	Maiduguri	11 47	13 11	361	..	..	..	316·2	319·1	25th, 26th	296·2	290·8	1st	306·2	*305·8*	—0·1	11	+ 1
731	El Fasher	13 32	25 18	730	..	..	..	311·6	318·0	28th	288·8	283·0	1st	300·2	*300·2*	..	0	..
732	El Obeid	13 11	30 14	569	..	..	..	310·4	315·5	29th	291·4	285·0	1st	300·9	*300·5*	—0·9	2	+ 1
733	Khartoum	15 37	32 33	390	963·9	1006·9	+ 0·1	312·2	317·0	28th	294·6	287·8	1st	303·4	*303·9*	—0·3	0	0
734	Port Sudan	19 37	37 13	5·5	1000·5	1010·2	+ 0·4	304·0	307·5	29th	294·9	290·0	1st	299·4	*299·6*	+0·4	3	+ 2
735	Berbera, Somaliland	10 22	45 2	9·5	1010·0	1011·1	— 0·4	304·9	307·4	28th, 29th	297·6	294·1	2nd, 10th	301·3	*301·4*	+0·7	7	+ 4
736	Aden	12 45	45 3	28·7	1008·3	1011·5	— 0·1	304·0	307·8	28th	298·6	295·4	11th	301·3	*300·3*	—0·2	0	— 5
737	Bombay	18 54	72 49	11·3	1009·5	1010·7	+ 0·1	304·9	306·3	22nd	298·4	295·9	12th	301·7	*301·1*	+0·3	0	— 1
738	Cochin	10 58	76 21	2·7	1010·1	1010·4	0·0	306·0	307·3	1st, 2nd	298·5	296·5	17th	302·3	*301·7*	—0·2	160	+ 34
739	Kodaikanal	10 14	77 28	2343	771·4	..	— 0·3	294·1	297·1	1st	284·1	282·3	3rd	289·1	*289·1*	—0·3	161	+ 47
740	Bangalore	12 59	77 38	920	910·4	1009·7	+ 0·2	307·1	309·0	1st	293·7	291·3	12th	300·4	*299·6*	0·0	24	— 10
741	Madras	13 4	80 14	6·7	1009·5	1010·2	+ 0·2	306·8	309·6	25th	298·4	296·5	15th	302·6	*302·1*	+0·1	2	— 14
742	Vizagapatam	17 42	83 19	11·6	1008·8	1010·1	+ 0·7	305·7	307·2	21st	299·8	297·3	12th	302·8	*302·2*	+0·2	1	— 20
743	Port Blair	11 40	92 40	17·7	1007·7	1009·8	— 1·0	306·2	307·8	27th	298·8	295·4	9th	302·5	*301·9*	—0·3	13	— 56
744	Rangoon	16 46	95 48	5·5	1010·1	1010·8	— 0·2	309·0	310·3	5th	297·1	295·5	2nd	303·1	*301·8*	—0·7	0	— 38
745	Saigon	10 47	106 42	11·2	..	..	..	307·9	309·6	21st	298·4	295·6	11th	303·2	*302·6*	+0·5	12	— 45
746	Cap St. Jacques	10 20	107 5	180	988·3	1008·7	— 0·2	..	..	..	..	..	..	..	..	..	..	..
747	Nhatrang	12 15	109 12	3·6	1009·6	1010·0	0·0	304·0	306·1	30th	296·1	294·3	5th	300·0	*299·5*	—0·7	2	— 25
748	Bolinao	16 24	119 53	7·1	1006·9	1007·8	— 1·2	307·2	310·5	23rd	298·2	295·7	14th	302·7	*301·3*	—0·4	25	— 2
749	Vigan	17 34	120 23	12·2	..	1009·3	+ 0·3	306·0	307·9	27th, 28th	297·3	293·9	11th	301·7	301·1	—0·1	0	— 21
750	Manila	14 35	120 59	14·2	..	1009·5	— 0·4	307·4	309·0	23rd	295·7	293·0	4th, 5th	301·5	301·0	—0·1	10	— 23
751	Ormoc	11 0	124 36	5·6	1008·0	1008·7	— 0·1	306·3	307·6	20th	295·1	291·4	6th	300·7	*300·3*	+1·0	61	— 17
752	Guam, Ladrone Is.	13 24	144 38	12·5	1006·5	1008·1	— 1·5	303·1	304·8	27th	297·4	296·0	16th	300·3	*299·9*	—0·3	85	+ 39
		N.	E.															

Between Latitude 10° N. and 0°. **APRIL—ZONE 8.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
753	Fanning Island	3 55	159 23	3·1	..	..	..	304·1	305·2	7, 12, 25	297·3	295·8	27th, 28th	300·7	*300·2*	+0·5	367	— 67
754	Colon	9 23	79 23	11·0	..	1010·8	— 0·3	304·4	306·9	12th	298·2	296·9	21st	301·3	*300·9*	+1·5	44	— 63
755	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	57	— 87
756	Merida, Venez.	8 36	71 9	1641	‡842·0	..	..	297·9	300·5	10th	288·3	285·5	26th	293·1	*291·9*	..	101	..
757	El Peru, Guayanavieja	7 19	61 49	220	987·1	1012·0	+ 1·1	303·7	..	..	‡294·3	..	..	‡299·0	‡*298·4*	—0·1	47	— 31
758	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1015·6	+ 2·8	302·6	303·3	16th, 17th	297·3	295·2	26th	299·9	*299·8*	+0·2	28	—142
759	Paramaribo	5 49	55 9	3·7	‡1014·9	‡1015·3	+ 2·4	302·4	303·5	7th	295·0	292·8	14th	298·7	*298·6*	—0·3	82	—168
760	Cayenne	4 56	52 21	6	..	..	..	303·8	304·8	6, 8, 11	294·4	292·8	1st	299·1	*297·8*	—0·5	173	—308
761	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
762	Freetown, Sierra Leone	8 29	13 9	68·3	1004·3	1012·2	+ 1·4	304·6	305·8	5, 22, 25	296·3	294·7	9th, 10th	300·5	*299·4*	—0·5	8	— 95
763	Cape Coast	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	121	+ 36
764	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	..	..	..	..	..	..	81	— 13
765	Lagos	6 27	E 3 24	4·6	1011·5	1012·0	+ 0·8	303·9	304·7	..	297·3	294·9	..	300·6	*300·1*	—0·5	145	— 1
766	Zungeru	9 48	6 10	130	..	..	..	310·0	313·6	8th	297·8	294·1	14th, 23rd	303·9	*303·3*	+0·3	128	+ 70
767	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
768	Yola	9 12	12 30	259	..	..	..	311·8	315·8	6th	..	..	..	..	‡*303·9*	+0·8	14	— 39
769	Wau	7 42	28 3	440	..	..	..	309·6	314·5	3rd	295·2	288·5	1st, 3rd	302·4	*301·6*	—0·1	135	+ 82
770	Malakal (Kodok)	9 35	31 37	394	964·0	1007·5	+ 1·2	311·1	314·5	5th	..	..	..	..	‡*302·3*	..	2	— 25
771	Mongalla	5 11	31 47	439	959·5	1008·3	+ 1·3	308·4	313·8	4th	295·4	293·0	25th, 28th	301·9	*299·6*	—0·6	125	+ 19
772	Entebbe	0 5	32 29	1171	883·4	1010·6	+ 1·0	298·8	302·4	4th	290·8	288·4	20th	294·8	*294·2*	+0·3	189	— 59
773	Minicoy	8 17	72 49	2·1	1010·8	1011·0	+ 0·4	..	..	..	..	..	..	..	..	..	50	— 25
774	Colombo Observatory	6 54	79 53	7·3	..	1009·2	+ 0·2	303·9	306·1	17th	296·7	294·9	30th	300·3	*299·7*	—0·8	375	+176
775	Nuwara Elija	6 59	80 47	1886	813·0	1011·5	..	294·1	296·6	14th	283·7	279·0	6th	288·9	*287·9*	0·0	213	— 67
776	Trincomalee	8 34	81 14	30·2	..	1008·8	+ 1·0	306·3	309·1	9th	297·7	296·3	10th	302·0	*

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1 S.	155 1 W.	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	..	..	..	..	..	..	..	..	..	77	—119
926	Taperinha	2 30	54 20	20·0	1010·1	1012·4	+ 1·0	303·2	306·6	16th	296·4	295·0	30th	299·8	*299·1*	—0·6	237	..
927	Turyassu	1 43	45 26	15·1	1010·1	1011·8	+ 2·0	301·1	303·0	17th	295·3	294·2	19th	298·2	*297·5*	—0·3	354	+ 87
928	Barra do Corda	5 30	45 16	81·0	1001·4	1010·9	+ 0·1	302·2	305·6	27th	294·6	293·5	21st	298·4	*297·4*	—1·0	505	+ 69
929	Quixeramobim	5 16	39 15	207	988·9	1012·1	+ 1·0	..	..	..	294·8	292·8	29th	..	*297·9*	—0·2	168	— 3
930	Fernando Noronha	3 50	W32 25	106	1000·4	1012·2	+ 1·0	303·7	306·3	11th	297·0	295·3	26th	300·4	*299·9*	0·0	126	— 51
939	Loanda	8 49	E 13 13	59·3	..	1012·2	+ 1·6	301·4	303·0	2nd	296·9	295·4	5th	299·1	298·8	0·0	20	—97
940	Brazzaville	4 17	15 16	320	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Masaka	0 21	31 47	?1280	..	..	..	297·5	..	..	289·8	..	..	293·7	*292·9*	+0·2	192	+ 16
944	Nairobi	1 14	36 44	1800	..	..	..	294·1	297·4	11th	285·8	283·6	27th	289·9	*289·2*	—1·5	352	+122
944a	Zanzibar	6 10	39 11	21·9	1012·4	1014·8	+ 1·1	302·5	304·0	13th	298·1	296·2	19th	300·3	*299·8*	+0·2	215	—134
945	Lamu	2 16	40 50	3·1	..	..	..	303·0	305·2	2nd	296·3	294·1	20th	299·7	*299·2*	—1·2	218	+ 39
947	Seychelles, Port Office	4 37	55 27	4·6	1010·4	1011·0	+ 0·4	303·1	303·7	..	299·5	298·2	..	301·3	*300·6*	+1·2	20	—100
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	542	+174
958	Batavia	6 11	106 50	8·0	1008·2	1009·1	— 0·2	303·0	304·5	12th	296·7	295·8	9th	299·8	299·2	—0·2	217	+ 80
958a	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	460	+184
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	249	+115
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	287	+ 65
962	Amboina	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	225	— 62
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	293	+ 32
965	Daru	9 4	143 13	7·6	..	1009·8	— 0·1	299·8	..	..	..	..	..	..	..	..	522	+184
966	Port Moresby	9 29	147 9	39·0	..	1010·1	+ 0·2	303·4	..	..	298·0	..	..	300·7	*300·3*	+0·2	100	+ 10
967																		
968	Rendova	8 30	157 12	1·8	1009·7	1009·8	+ 1·0	..	..	..	..	..	..	..	..	..	256	— 30
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·6	1009·8	+ 0·9	305·4	306·6	2nd	297·7	297·0	15th	301·5	*301·2*	+0·8	182	— 30
970	Ocean Island	0 52 S.	169 35 E.	54·0	1001·3	1007·5	— 0·6	303·2	304·7	9th	297·9	295·8	17th	300·5	*299·8*	—0·5	100	—110

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48 S.	171 46 W.	2	..	1010·3	+ 0·4	303·5	305·0	2nd	296·1	294·3	9th	299·8	299·9	+0·9	232	+ 25
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·9	305·2	22nd	295·2	291·9	5th, 28th	299·1	*298·8*	+0·3	213	..
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	— 4
1021	Arequipa	16 22	71 33	2451	761·6	..	+ 0·3	293·2	295·2	27th	283·5	282·0	9th	288·4	*287·9*	+0·9	0	— 4
1022	Puerto de Arica	18 28	70 20	5	..	..	..	295·8	296·4	sev. dates	289·7	289·0	sev. dates	292·7	..	+0·3	0	0
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	730·4	..	..	289·3	294·0	2nd	280·3	277·0	20th	284·8	*285·1*	..	35	—10
1025	Corumba	18 59	57 39	116	999·1	1012·3	+ 1·9	302·8	305·0	sev. dates	294·3	291·4	5th	298·6	*297·8*	—1·3	104	+ 70
1026	Cuyaba	15 36	56 6	165	992·6	1011·2	+ 2·0	305·6	308·0	10th	294·7	293·2	20th	300·2	*299·2*	—0·6	109	+ 11
1027	Bello Horizonte	19 55	43 57	857	920·6	1015·9	+ 1·6	299·2	303·4	8th	287·9	283·2	20th	293·5	*292·9*	—0·4	21	+ 44
1028	Caetite	14 3	42 37	900	916·4	1015·2	+ 1·5	298·2	302·0	8th, 10th	290·2	288·3	29th	294·2	*294·8*	—0·5	111	+344
1029	Ondina (Bahia)	13 0	38 31	46·6	1007·9	1013·2	+ 0·2	300·9	302·7	5th, 6th	295·9	294·2	sev. dates	298·4	*298·3*	—0·3	624	+299
1030	Aracaju	10 54	37 3	4·0	1013·4	1013·8	+ 0·9	302·1	303·6	sev. dates	294·8	291·2	14th	298·5	*299·3*	—0·4	380	— 65
1035	St. Helena	15 57	W 5 40	‡579	946·9	1012·8	+ 1·9	297·7	300·8	29th	288·3	286·6	9th, 11th	293·0	*292·9*	+1·2	33	..
1039	Mossamedes	15 11	E 12 10	12·5	..	..	..	..	..	..	..	..	..	..	..	..	..	— 14
1042	Gwelo	19 28	29 48	1417	864·5	1018·0	+ 1·6	296·9	300·8	10th	283·4	280·2	20, 25, 30	290·2	..	—1·2	2	— 25
1043	Salisbury, Rhodesia	17 48	31 5	1457	858·2	1015·5	— 0·2	298·0	301·0	12th	283·4	281·0	6th	291·2	*290·0*	—0·5	41	— 51
1044	Zomba	15 23	35 18	996	909·7	1020·2	+ 0·8	296·7	300·2	9th, 10th	287·9	285·8	20th, 29th	292·3	*292·1*	—1·4	42	— 9
1045	Antananarivo	18 55	47 32	1400	865·0	1016·6	+ 0·4	296·1	298·7	26th	286·9	283·3	18th	291·5	*290·5*	—0·9	..	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	— 74
1055	Cocos Keeling Is.	12 5	96 53	4·6	1009·5	1010·0	— 1·0	301·8	303·3	26th	298·2	296·6	14th, 17th	300·0	*299·7*	—0·4	155	+ 45
1057	Christmas Island	10 25	105 43	5·5	1006·9	1007·5	— 0·5	303·9	305·8	..	297·3	295·2	..	300·6	*299·9*	—0·2	242	+ 0
1061	Kupang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	70	+112
1061a	Derby	17 18	123 40	16·2	1009·8	1011·8	+ 0·5	305·7	310·2	5th	295·6	290·2	23rd	300·7	..	—1·0	149	+ 10
1062	Hall's Creek	18 13	127 46	374	970·9	1012·2	— 0·1	306·6	310·3	4th	293·8	286·1	22nd	300·2	*299·7*	+1·0	4	— 30
1063	Darwin	12 28	130 51	29·6	1005·8	1009·2	0·0	306·7	308·6	28th	298·0	296·3	18th, 30th	302·3	*301·1*	+0·4	74	— 25
1064	Daly Waters	16 16	133 23	211	985·9	1009·4	— 1·1	307·2	309·7	3rd	294·4	289·1	18th	300·8	*300·3*	+0·9	0	— 67
1065	Mein	13 13	142 47	122	995·3	1008·9	— 0·2	304·6	309·1	15th	294·9	290·2	15th, 16th	299·8	..	+0·6	13	— 1
1066	Georgetown, Queensland	18 22	143 32	302	979·2	1012·9	+ 1·0	304·6	307·3	24th	292·3	282·4	16th	298·5	..	—0·3	3	..
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1072	Suva, Fiji	18 8 S.	178 26 E.	17·7	1009·7	1011·7	— 0·3	300·8	303·1	5th	295·9	294·2	14th, 15th	298·3	*298·0*	—0·6	469	+182
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1095	Rarotonga (Avarua)	21 12 S.	159 47 W.	6	..	..	..	294·7	290·5	9th	..	..	..	..	..	..	77	—119
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·8	1016·0	+ 0·5	290·6	293·0	17th, 19th	285·8	283·8	6th	288·2	*288·1*	+0·5	1	+ 1
1122	Iquique	20 12	70 11	9	1012·8	1013·9	— 0·4	294·0	296·4	10th	288·6	287·7	22nd	291·3	*291·3*	—0·2	0	0
1123	Catamarca	28 27	65 47	510	952·0	1009·2	— 2·1	301·4	308·0	19th	288·8	282·5	30th	295·1	295·0	+2·1	4	— 14
1124	Salta	24 46	65 28	1178	883·9	1012·6	+ 0·4	296·7	303·0	2nd	287·0	281·2	8th	291·9	291·6	+1·6	24	— 7
1125	Goya	29 9	59 15	26	1011·3	1014·3	+ 0·3	300·9	306·5	2nd	290·3	280·0	4th	295·6	294·9	+2·2	187	+ 72
1126	Asuncion	25 21	57 37	95	‡1004·5	‡1015·5	— 0·4	..	..	..	292·7	289·5	29th	..	297·0	+1·9	96	— 34
1127	Curityba	25 25	49 17	908	916·1	1017·3	— 0·2	296·5	302·0	2nd	286·6	281·0	28th	291·6	*290·4*	+0·8	82	— 1
1128	Rio de Janeiro	22 54	W43 10	61·4	1009·2	1017·8	+ 1·2	299·5	304·2	3rd	294·5	292·7	13th, 28th	297·0	296·7	+0·3	38	— 70
1139	Windhoek	22 35	E17 5	1680	..	..	..	296·0	299·8	7th	286·6	284·3	30th	291·3	*291·3*	—0·7	71	+ 31
1140	Kimberley	28 42	24 47	1202	886·5	1018·5	+ 2·3	299·1	301·9	2nd, 3rd	283·7	280·2	27th	291·4	290·8	+0·6	9	— 27
1141	Johannesburg	26 11	28 4	1806	827·5	1019·6	+ 2·1	295·2	297·7	11th	283·2	279·6	20th	289·2	*288·9*	+0·8	21	— 23
1142	Pretoria (Brooklyn)	25 46	28 13	1400	866·4	1018·3	+ 2·4	298·0	301·0	11th	283·3	279·1	15th	290·7	*290·4*	+0·8	5	..
1143	Bulawayo	20 9	28 35	1340	871·2	1017·8	+ 1·3	295·8	299·3	11th	283·4	280·0	30th	289·6	*288·9*	—2·3	2	— 14
1144	Durban	29 52	31 3	15·2	1020·5	1022·3	+ 3·5	298·7	302·2	10th	290·4	286·9	15th	294·6	*294·0*	—0·2	30	— 56
1147	Lourenço Marques	25 58	32 36	59	..	1019·9	+ 3·1	301·0	306·6	11th	290·7	287·9	28th	295·8	295·5	—0·5	8	— 30
1159	Mauritius	20 6	57 33	55·2	1006·8	1013·2	— 0·8	299·8	301·8	12th	293·8	287·6	17th	296·8	296·4	—0·7	117	+ 3
1160	Onslow	21 43	114 57	4·3	1010·4	1011·2	— 0·7	304·4	308·1	14th	293·2	288·2	23rd	298·8	..	—0·9	16	— 7
1161	Peak Hill	25 38	118 47	588	948·1	1014·6	+ 1·3	298·4	302·4	4th	288·7	286·8	14th	293·6	..	—2·8	39	+ 8
1162	Nullagine	21 53	120 5	386	970·2	1013·6	+ 0·8	300·3	308·0	1st	290·2	284·0	29th	295·2	..	—3·0	158	+136
1163	Laverton	28 40	122 23	466	966·4	1019·6	+ 2·1	296·5	301·2	28th	285·3	281·2	21st	290·9	*290·9*	—2·8	42	+ 16
1164	Alice Springs	23 38	133 37	587	949·9	1015·9	— 0·4	298·3	308·6	2nd	286·8	280·8	20th	292·6	293·1	—0·5	14	— 5
1165	William Creek	28 55	136 21	76·2	1010·5	1019·4	+ 1·1	299·2	307·7	2nd	285·7	277·4	19th	292·4	*292·1*	—0·2	0	— 10
1166	Boulia	22 55	139 38	146	997·0	1013·6	+ 0·3	302·0	309·7	4th	290·1	283·7	26th	296·1	*296·3*	—0·3	169	+154
1167	Thargomindah	27 58	143 43	123	1003·2	1017·5	+ 1·3	300·4	308·7	3rd	288·6	280·4	26th	294·5	*294·4*	—0·3	3	— 18
1168	Mitchell	26 32	147 52	336	979·5	1017·5	..	299·1	306·9	13th	284·9	276·6	27th	292·0	..	—0·3	38	+ 1
1169	Rockhampton	23 24	150 30	11·3	1015·0	1016·3	+ 0·8	301·0	305·8	5th	291·1	284·9	26th	296·1	..	—0·6	35	— 25
1170	Brisbane	27 28	153 2	41·7	1013·9	1018·7	+ 1·1	298·7	303·4	12th	289·1	284·2	26th	293·9	*293·3*	—0·4	51	— 40
1171	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1176	Norfolk Island	29 4 S.	167 59 E.	15·2	1016·8	1018·6	+ 1·3	295·4	298·6	18th	290·9	287·4	10th	293·2	*292·8*	—0·2	91	— 14

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37 S.	78 50 W.	10	..	..	..	289·9	292·8	5th	283·4	279·5	3rd, 25th	286·7	*286·5*	+0·4	15	— 29
1222	Punta Tumbes	36 37	73 6	91	‡1005·0	‡1015·9	— 0·5	291·8	296·2	6th	284·1	282·0	10th, 26th	287·9	*287·5*	—0·9	0	— 11
1223	Punta Angeles, Valparaiso	33 1	71 38	41	1010·3	1015·2	— 0·7	298·7	305·7	..	284·4	279·1	..	291·5	291·1	+1·4	15	— 28
1224	Santiago	33 27	70 42	520	954·6	1014·9	— 0·6	296·3	301·8	10th	279·9	277·0	25th	288·1	*287·0*	+0·7	0	— 14
1225	Cordoba	31 25	64 12	423	965·9	1014·5	+ 0·1	298·7	305·7	..	285·6	277·5	4th	292·2	290·5	+1·0	147	+ 82
1226	Bahia Blanca	38 45	62 15	25	..	1015·5	+ 1·5	295·3	302·0	8th	284·4	279·1	..	289·9	289·9	+1·6	..	..
1227	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1017·1	+ 0·7	296·7	304·6	1st	286·5	279·9	8th	291·6	291·3	+1·5	88	+ 2
1228	Montevideo (Prado)	34 52	56 12	24·9	1014·5	1017·4	+ 1·7	297·0	306·9	1st	286·4	279·2	5th	291·7	291·6	+1·2	125	+ 7
1229	Porto Alegre	30 2	W51 13	23·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1230	Cape Town	33 56	E18 29	12·2	..	1017·6	+ 1·0	298·2	308·6	14th	286·7	281·9	25th	292·4	*290·6*	+2·1	19	— 30
1231	Danger Point	34 37	19 18	27·7	1014·4	1017·7	..	293·9	305·2	15th	287·7	284·1	12th	290·8	..	..	9	— 24
1232	Riversdale	34 6	21 16	?61	1006·6	1013·7	..	301·2	310·2	8th	285·9	278·6	26th	293·5	..	..	13	..
1233	East London	33 1	27 54	9·8	1017·0	1018·1	+ 1·2	297·6	303·0	20th	288·4	283·6	14th	293·0	..	+1·3	30	— 48
1234	Perth (Observatory)	31 57	115 51	60·0	1012·6	1019·9	+ 1·4	299·2	303·8	7th	287·3	283·7	30th	293·2	*293·0*	+1·0	0	— 40
1235	Katanning	33 42	117 35	310	985·1	1021·4	+ 2·8	296·4	301·7	7th	282·3	277·1	30th	289·3	..	0·0	16	— 14
1236	Coolgardie	30 57	121 10	423	972·0	1020·8	+ 2·4	295·9	302·3	28th	283·0	279·6	31st	289·4	*289·4*	—2·0	18	— 6
1237	Esela	31 45	128 58	4·6	1020·6	1021·2	+ 2·4	294·7	301·3	29th	286·2	281·6	16th	290·4	*289·9*	—1·4	31	+ 3
1238	Streaky Bay	32 48	134 13	13·1	1021·1	1022·4	+ 2·5	296·7	303·8	8th	283·8	278·9	19th	290·2	*289·6*	—0·5	20	— 6
1239	Adelaide	34 56	138 35	42·7	1017·7	1022·7	+ 2·6	295·7	307·8	1st	284·7	280·9	19th	290·2	*289·8*	—0·5	14	— 31
1240	Melbourne	37 49	144 58	35·1	1017·2	1021·3	+ 1·9	292·2	304·3	1st	283·7	277·4	21st	288·0	*287·7*	—0·3	66	+ 9
1241	Bourke	30 13	145 58	110	1008·5	1021·6	+ 1·2	300·3	309·1	11th	285·8	278·0	18th, 26th	293·1	..	—0·2	2	— 28
1242	Sydney	33 51	151 13	44·5	1015·0	1020·4	+ 1·9	294·5	300·3	23rd	286·3	281·9	18th	290·4	*290·1*	—0·8	72	— 69
1243	Lord Howe Island	31 20	159 0	4·6	1018·4	1018·9	— 0·1	295·9	298·6	5th	289·6	285·5	12th	292·7	..	—0·6	105	— 40
1272	Auckland	36 50	174 50	38·1	..	1017·9	..	291·7	295·2	16th	285·8	279·4	30th	288·7	..	—0·5	155	+ 69
1273	Napier	39 32 S.	176 53 E.	21·3	..	1017·3	+ 0·4	292·6	296·9	25th	282·7	277·4	23rd	287·6	..	—0·2	35	— 20

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1271	Chatham Island	43 52 S.	170 42 W.	104	..	1013·5	..	..	..	..	..	..	..	..	..	..	53	— 29
1274	Isla Guafo	43 34	74 45	140	997·8	1014·6	— 0·2	287·6	290·9	9th	282·9	280·5	2nd	285·3	*285·0*	+1·8	86	— 17
1275	Punta Galera	40 1	73 44	40	1011·4	1016·2	+ 0·2	288·2	290·2	sev. dates	283·6	279·4	2nd	285·9	*286·6*	+1·2	303	+ 80
1276	Sarmiento	45 30	69 0	274	..	1010·7	..	290·9	295·0	28th	278·5	273·5	3rd	284·7	284·4	+0·7	9	— 4
1277	Punta Madryn	42 49	W64 58	14	..	1014·6	..	294·9	304·6	8th	282·8	274·2	4th	288·9	288·3	+1·3	4	— 15
1278	Launceston	41 27	E147 10	10·1	1017·4	1018·6	+ 3·2	291·8	300·2	1st	279·6	273·0	25th	285·7	284·9	0·0	39	— 15
1279	Hobart	42 53	147 20	53·9	1011·3	1017·8	+ 3·4	290·1	300·7	2nd	281·4	277·0	5th	285·8	*285·0*	0·0	26	— 22
1280	Invercargill	46 25	168 21	5·5	..	..	..	289·2	296·9	4th	279·1	271·9	10th	284·1	..	+0·6	118	+ 7
1281	Dunedin	45 52	170 31	91·4	..	1016·2	+ 0·9	289·4	301·9	1st	280·5	275·2	9th	284·9	..	+1·0	37	— 32
1282	Christchurch	43 31	172 39	7·6	..	1016·1	+ 1·8	289·7	297·6	3rd	281·8	274·7	22nd	285·7	..	+0·8	55	+ 5
1283	Wellington	41 16 S.	174 46 E.	2·4	..	1017·9	+ 0·5	289·4	294·1	8th	284·4	276·5	15th	286·9	..	+0·1	223	+124
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

APRIL—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	996·3	1003·0	+ 1·2	282·4	286·0	14th	279·0	276·2	16th	280·7	*280·7*	+0·6	271	— 21
1422	Puerto de Punta Arenas	53 10	70 54	4	1001·5	1002·0	+ 1·3	284·0	288·5	19th	276·2	273·5	10th, 18th	280·1	*280·6*	+1·0	30	— 25
1423	Punta Dungeness	52 24	68 26	5	1002·6	1003·2	+ 2·1	284·7	289·2	19th	278·7	276·8	17th	281·7	*281·7*	+0·8	5	— 10
1424	Santa Cruz	50 11	68 21	12	1004·8	1006·2	+ 0·9	289·1	296·3	15th	277·0	271·1	10th	283·1	282·8	+1·0	5	— 10
1424*a*	Año Nuevo	54 39	64 8	50	993·5	999·6	+ 1·6	282·2	284·8	16th	277·4	274·4	3rd	279·8	279·8	+1·4	73	+ 4
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	32	— 28
1426	Cape Pembroke	51 41	57 42	21	..	1004·5	+ 3·2	283·3	285·8	6th, 19th	277·4	273·0	1st	280·3	280·3	+0·6	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..

APRIL—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44	44 39	7	989·4	990·3	— 0·3	273·0	276·8	21st	269·1	261·7	4th	271·1	271·3	+1·3	19	— 25
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114.

† Estimates not based on at least six equally-spaced observations each day are in *Italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—APRIL 1920.

Date.	St. Helena 1035. Direction.	St. Helena 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	17½h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SSE	7·1	SE	Calm 0 SW 1	Calm 0 SE 1	ESE 1	NW 2	E 3 E 3	Calm 0
2	SSE	8·0	SE	N 1 SW 1	S 1 S 1	SE 3	NW 2	E 4 E 4	SE 3
3	SSE	—	SE	SW 1 WSW 3	SE 1 S 1	NE 1	Calm 0	ENE 5 E 3	SE 2
4	SSE	—	SE	W 1 SW 3	Calm 0 S 2	NE 3	Calm 0	ENE 4 ENE 3	Calm 0
5	SSE	10·5	E	W 1 SW 2	SW 2 W 2	NE 1	Calm 0	E 4 E 3	Calm 0
6	SSE	6·9	NE	NW 1 WSW 3	S 2 SW 2	Calm 0	Calm 0	E 5 ENE 5	Calm 0
7	SSE	4·2	N	SW 3 SW 4	S 1 S 1	Calm 0	Calm 0	E 4 N 2	Calm 0
8	Calm	—	N	W 1 SW 3	SW 1 S 1	NE 1	Calm 0	ENE 4 ENE 2	SE 2
9	SSE	—	N	SW 3 WSW 4	SW 2 S 1	ENE 2	SE 2	ENE 3 ENE 1	SE 1
10	Calm	1·5	N	W 1 SW 2	SW 2 S 1	NE 2	Calm 0	ENE 4 ENE 2	SE 1
11	Calm	4·0	SE	Calm 0 SW 3	SW 1 S 1	E 1	Calm 0	ENE 5 ENE 3	Calm 0
12	SSE	3·5	SE	Calm 0 W 2	S 2 S 1	E 2	Calm 0	NE 3 NE 2	Calm 0
13	SSE	3·5	SE	Calm 0 WSW 4	SW 1 S 2	E 2	Calm 0	NE 3 NE 1	Calm 0
14	SSE	3·8	E	Calm 0 SSW 1	S 2 S 1	ENE 1	Calm 0	NE 3 NE 3	Calm 0
15	S	5·9	N	SW 1 WSW 4	E 1 SW 1	NE 1	SE 2	ENE 4 ENE 2	SE 4
16	S	4·5	N	Calm 0 SW 3	SW 2 S 2	E 1	Calm 0	NE 3 NNE 3	SE 4
17	S	2·4	N	Calm 0 WSW 3	S 1 S 1	E 1	Calm 0	ENE 4 ENE 3	SE 4
18	S	1·9	N	NW 1 WSW 2	E 1 SE 1	ESE 2	SE 4	NNE 3 NE 2	SE 4
19	Calm	2·8	NE	Calm 0 WSW 3	E 1 SW 1	E 2	SE 2	N 3 NE 3	SE 4
20	SSE	5·4	NE	W 1 SW 1	SE 2 S 1	E 2	SE 2	N 3 NE 3	SE 4
21	SSE	5·2	NE	Calm 0 SW 2	SW 1 W 2	E 1	SE 2	NE 3 NE 4	Calm 2
22	S	5·9	N	WSW 1 WSW 2	W 1 E 1	E 1	Calm 0	NE 4 NE 3	E 4
23	SSE	5·1	N	SW 1 SW 2	SW 1 SW 2	E 1	Calm 0	E 5 E 4	SE 3
24	SE	7·4	N	Calm 0 SW 1	S 2 SW 2	E 1	SE 2	ENE 3 ENE 4	SE 3
25	SSE	10·5	N	Calm 0 SW 1	S 1 S 1	E 1	SE 2	E 3 E 3	SE 3
26	S	7·6	N	NE 1 SW 2	S 1 SW 1	E 1	SE 4	E 5 ENE 3	SE 3
27	SSE	5·8	NE	Calm 0 SW 1	SE 2 SE 2	ESE 2	SE 2	ENE 5 ENE 3	Calm 0
28	S	4·0	NE	Calm 0 SW 1	E 1 S 1	ESE 2	SE 4	E 4 NE 3	Calm 0
29	SSE	4·1	NE	Calm 0 SW 1	E 2 E 2	ENE 1	Calm 0	E 4 E 3	Calm 2
30	S	6·9	NE	Calm 0 WSW 4	SE 1 E 2	NE —	NE 2	NE 3 NE 3	SE 3
Mean	..	5·3	..	0·6 2·3	1·3 1·4	1·3	1·1	3·7 2·9	1·0
§Resultant	165° (80)	..	40° (62)	240° (62)	180° (67)	80° (81)	125° (29)	65° (89)	130° (52)
§Normal	138° (89)	6·6	‖78° (77)	277° (35)	250° (41)	81° (78)	125° (36)	100° (47)	91° (51)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 2608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—APRIL 1920.

‡‡ *Barents Sea.*—The edge of close ice was both more northerly and more easterly than usual. A close edge was met with about 10 miles west of Cape Kanin and from 10 miles south of Hope Island to south of Bear Island. The area covered was 1006×10^3 sq. km. compared with a normal of 1155×10^3 sq. km.

‡‡ *White Sea* was almost free of ice.

‡‡ *Spitsbergen.*—From Dane Island to Icefiord the sea was free of ice and from Icefiord to South Cape there was a land water varying from 40 to 60 miles wide. Firm ice and screw ice occurred in all the inner fiords though at the end of the month Bell Sound was free of ice.

‡‡ *Iceland.*—On the 8th scattered ice was observed off Isafjordsdyb and from then to the 14th there was heavy polar ice round Cape North as far as could be seen and scattered ice in the outer part of Huna Bay. By the 17th the sea was free of ice. The normal duration is 6 days visible, 1 day heavy.

‡‡ *Greenland Sea and Denmark Strait.*—A small iceberg was observed in 60° N. 32° W. which is unusual. At Angmagsalik there was ice everywhere throughout the month. The area covered was 1090×10^3 sq. km. compared with a normal of 1157×10^3 sq. km.

‡‡ *N. Atlantic and Labrador.*—Five icebergs were seen on the Newfoundland Banks south of the 48th parallel, the normal being seventy-eight. There was close packed ice in Belle Isle Strait and St. Lawrence Bay from Anticosti to Magdalen Island and scattered ice at Cape Ray. On the 22nd Quebec was open to navigation.

‡‡ *Davis Strait and Baffin Bay.*—The ice entered Julianehaab Bay at the beginning of the month and later the "Storis" formed a belt of alternate loose and close ice from Nanortalik where it was close inshore to Nunarsuit where there was a land water 50, later 90, miles wide. From Ivigtut to Disko Bay the sea was free of ice. At Upernivik, the ice, stationary all winter, broke up outside the islands in the middle of the month.

‡‡ *Smith Sound.*—In Kennedy and Robeson Channels there was firm ice and also along the north coast of Grant Land to Cape Columbia.

‡‡ *Isforholdene i de Arktiske Have*, 1920, published by the Danish Meteorological Office.

RÉSEAU MONDIAL, MAY 1920.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MAY 1920 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **MAY—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1305	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1323 1324 1325	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1326	Upernivik	72 47	W56 7	18·9	1014·7	1017·1	+ 1·1	273·6	277·3	4th	265·3	262·8	3rd	269·5	*268·5*	—0·5	21	+ 7
1346 1347 1348	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1013·6	1015·1	— 1·2	..	276·4	17th	266·7	254·8	3rd	..	270·2	+2·5	18	+ 6
1351	Björnöen	74 28	19 15	40·5	1005·1	1010·2	..	..	..	..	..	..	..	..	*273·6*	..	24	..
1352	Giesvaer	71 6	25 22	6·5	1013·2	1014·0	— 0·3	..	293·5	18th	276·2	271·3	1st	..	*278·7*	+3·0	93	+ 57
1353	Mehavn	71 1	27 47	6·4	1013·5	1014·3	+ 0·3	..	290·3	19th	275·9	270·5	7th	..	*278·3*	+3·4	44	+ 1
1354	Vardö	70 22	31 8	10·0	1013·9	1015·1	+ 0·1	..	285·2	19th	275·7	270·0	2nd	..	*277·7*	+3·0	1	— 36
1367 1368	Malye Karmakouly	72 23	52 43	14·8	1015·1	1017·0	+ 4·0	274·5	284·4	20th	269·7	264·5	25th	272·1	*271·7*	+3·3	..	..
1369	Waigatz	70 24	58 47	11·2	..	..	..	273·2	278·6	20th	268·6	261·8	1st	270·9	*270·9*	..	12	..
		N.	E.															

Between Latitude 70° N. and 60° N. **MAY—ZONE 2.**

1307	Nome	64 30	165 24	6·7	..	1017·9	+ 7·1	274·4	280·2	31st	267·7	258·6	11th	271·1	*270·9*	—3·2	24	+ 1
1308	Candle	65 55	161 57	2·4	..	..	..	276·4	284·7	31st	266·3	254·1	19th	271·3	..	..	..	..
1309	Tanana	65 10	152 6	67·1	..	1016·2	+ 2·5	283·3	290·3	31st	270·2	258·6	6th	276·8	*277·3*	—2·9	9	— 12
1310	Rampart	65 30	150 15	122	..	..	..	283·1	290·3	30th	270·5	259·1	6th	276·8	..	..	1	— 11
1327	Valdez	61 7	146 16	8·2	..	1014·2	+ 0·1	284·7	291·9	27th, 28th	273·0	268·0	9th	278·8	*279·3*	—0·1	9	— 56
1329	Eagle	64 46	141 12	254	..	1013·2	+ 2·5	283·3	290·3	30th, 31st	270·9	259·7	6th	278·2	..	—0·7	17	— 5
1330	Dawson	64 4	139 20	328	973·2	1013·0	+ 1·2	286·3	298·6	31st	270·2	261·9	1st	278·3	..	—2·9	12	— 14
1331	Carcross	60 11	134 34	662	..	..	..	282·8	292·4	31st	269·7	264·7	10th	276·2	..	—2·8	4	— 6
1332	Fort Good Hope	66 25	128 53	65·2	1008·1	1016·3	..	280·8	293·0	29th	266·9	249·7	6th	273·8	..	..	15	— 1
1333	Fort Simpson	61 52	121 35	129	998·6	1014·6	..	284·7	294·1	31st	271·9	260·2	2nd	278·3	..	—0·8	34	— 15
1313	Hay River	60 51	115 20	161	994·8	1014·9	..	279·7	293·6	7th	269·7	254·1	1st	274·7	..	—2·2	11	..
1301	Jacobshavn	69 13	51 2	12·6	?1013·5	?1015·1	+ 0·9	?273·5	..	..	?268·2	..	..	?270·9	*?271·4*	—1·3	..	..
1302	Godthaab	64 11	51 43	9·0	1009·9	1011·0	— 0·8	276·9	283·2	30th	270·4	267·2	2nd	273·7	*273·3*	—0·4	..	..
1303	Ivigtut	61 12	48 10	5·0	1010·2	1010·8	— 1·0	280·4	284·4	29th	273·1	260·4	9th	276·7	*275·7*	—1·8	16	— 75
1304	Angmagsalik	65 37	37 33	31·7	1008·4	1012·4	— 2·8	277·6	282·8	31st	269·0	260·3	6th	273·3	*272·4*	—1·4	50	— 20
1334	Stykkisholm	65 5	22 46	11·3	1005·8	1007·2	— 6·4	279·2	285·2	15th	272·8	268·2	4th	276·0	*275·5*	—1·8	32	— 3
1335	Vestmanno	63 26	20 15	7·7	1003·9	1004·8	— 7·9	283·0	287·9	24th	275·4	269·1	1st	279·2	*279·2*	—0·2	85	+ 5
1336	Grimsey	66 33	17 58	22·0	1006·0	1008·7	— 6·0	276·5	283·7	25th, 30th	..	..	..	..	*274·2*	—0·5	..	..
1337	Berufjord	64 40	14 19	18·0	1005·5	1007·7	— 6·2	281·0	288·2	27th	274·5	268·5	4th	277·7	*277·4*	+0·2	87	+ 16
1338	Thorshavn	62 3	6 45	26·3	1005·6	1008·8	— 5·6	282·2	285·1	29th	277·2	272·6	2nd	279·7	*279·5*	—0·1	104	+ 19
1339	Lerwick	60 9	W 1 8	18·0	1008·8	1010·9	— 2·8	283·8	289·1	27th	278·2	275·2	1, 5, 15	281·0	*281·3*	+0·7	75	+ 22
1340	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1008·3	1013·7	— 0·5	286·0	296·5	28th	280·0	275·8	2nd	283·0	*282·8*	+0·5	165	+ 76
1341	Christiansund	63 7	7 45	5·7	1012·3	1013·0	— 1·2	..	292·6	28th	279·1	274·9	1st	..	*282·9*	+2·1	66	+ 4
1342	Trondhjem	63 26	10 25	39·5	1008·6	1013·4	— 0·6	288·1	298·9	28th	279·1	273·6	1st	283·6	*283·3*	+2·5	42	— 9
1343	Bodö	67 17	14 24	22·4	1011·0	1013·7	— 0·1	..	291·2	31st	278·4	274·0	8th	..	*281·6*	+2·8	53	— 4
1344	Haparanda	65 50	24 9	9·2	1014·5	1015·6	+ 1·3	284·3	299·0	17th	275·7	268·0	3rd	280·0	*279·7*	+2·7	71	+ 42
1345	Helsingfors	60 10	24 57	11·7	1017·9	1019·4	+ 5·1	287·3	295·1	30th	280·2	275·3	3rd	283·8	*283·7*	+2·4	59	+ 14
1346	Kuopio	62 54	27 40	90·3	1006·7	1017·6	+ 3·3	289·0	298·1	17th	279·4	272·2	3rd	284·2	*284·4*	+4·1	67	+ 29
1347	Kola	68 53	33 1	6·7	1015·5	1016·3	+ 2·0	283·9	300·8	18th	276·2	271·3	2nd	280·0	*280·0*	+3·5	59	+ 36
1348	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1349	Arkhangelsk	64 35	40 36	6·2	1018·0	1018·7	+ 4·7	289·2	301·0	19th	279·6	272·7	27th	284·4	*284·4*	+6·4	56	+ 26
1350	Mezen	65 50	44 16	12·6	1016·8	1018·3	+ 4·6	287·5	299·4	19th	277·1	270·8	31st	282·3	*282·2*	+5·8	36	+ 12
1351	Oust-Tsyima	65 25	52 14	? 70	1010·6	1019·2	+ 5·7	287·9	300·0	20th	277·6	270·6	27th	282·8	*282·3*	+6·6	59	..
1352	Tcherdyn	60 24	56 31	?177	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1353	Berezov	63 56	65 4	39·9	1017·8	1022·7	+ 8·5	..	300·1	21st	275·9	268·0	28th	..	*281·4*	+6·7	53	+ 19
1354	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1355	Sourgout	61 15	73 24	? 40	1014·8	1019·7	+ 6·1	..	295·9	21st	273·8	266·4	18th	..	*280·2*	+4·1	24	— 9
1356	Doudinka	69 23	86 4	20	1013·6	1016·1	+ 3·7	..	274·7	14th	261·7	251·5	2nd	..	*265·1*	..	22	..
1357	Touroukhansk	65 47	87 57	45	1012·3	1018·0	+ 5·3	..	279·6	24th	266·8	249·8	2nd	..	*271·9*	—0·1	37	+ 11
1358	Viliouisk	63 45	121 35	?120	1003·9	1018·9	..	..	297·8	28th	271·1	256·2	14th	..	*277·0*	—0·2	41	+ 19
1359	Iakoutsk	62 1	129 43	108	1000·0	1013·2	+ 2·7	..	296·8	29th	274·6	266·8	1st	..	*280·1*	+2·3	12	— 5
1360	Verkhoïansk	67 33	133 23	100	995·1	1007·5	— 0·9	..	290·9	28th	269·3	258·9	8th	..	*275·8*	+1·1	..	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1020·6	+ 9·4	..	..	..	..	..	..	..	..	..	..	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1022·3	+ 9·5	280·6	285·2	1st, 21st	274·7	270·2	6th	277·7	‡274·8	..	..	..
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	283·6	293·0	26th	271.7	263·0	4th	277·7	..	..	3	— 90
306	Kodiak (Radio)	57 46	152 22	6·1	..	1014·2	+ 2·7	‡282·8	293·0	27th	‡275·1	266·3	4th	‡278·9	..	..	‡ 37	
309	Sitka	57 3	135 19	27·4	..	1014·5	— 0·7	282·8	288·6	11th	275·2	271·3	10th	279·0	*279·4*	—2·2	104	+ 3
310	Prince Rupert	54 18	130 18	51·8	1007·6	1013·9	— 1·4	284·1	288·6	1, 2, 28	278·6	275·2	23rd	281·3	*281·1*	—1·1	144	+ 13
311	Barkerville	53 2	121 35	1274	866·9	1013·9	+ 0·5	281·9	287·4	7th	270·8	265·8	1st	276·3	*275·9*	—3·6	69	+ 21
312	Kamloops	50 42	120 29	385	972·6	1018·3	+ 2·6	293·0	302·4	7th	278·0	273·0	29th	285·5	*285·2*	—1·7	3	— 39
313	Calgary	51 2	114 2	1045	893·2	1013·1	+ 1·2	288·6	297·4	8th	274·1	264·7	3rd	281·3	*280·7*	—1·1	23	+ 21
314	Fort Chipewyan	58 42	111 10	218	986·8	1013·3	..	285·2	295·2	8th	273·6	266·3	1st	279·4	*280·3*	—0·5	0	— 1
315	Prince Albert	53 10	105 38	442	960·6	1012·8	+ 0·9	291·3	301·9	9th	276·3	266·9	1st	283·8	*283·8*	+1·4	38	— 2
316	Qu'Appelle	50 30	103 47	645	938·0	1013·2	+ 0·7	290·8	298·0	21st	276·3	270·8	2nd	283·6	*283·6*	+0·7	42	+ 4
317	Minnedosa	50 15	99 50	515	954·8	1015·4	+ 2·1	291·9	299·7	9th	276·3	269·1	1st	284·1	*283·9*	+1·2	43	+ 20
318	Berens River	52 18	97 23	216	..	..	..	288·8	297·4	24th	276·7	270·8	1st, 7th	282·8	..	+3·7	13	
318*a*	Port Nelson	57 4	92 36	14·9	1015·2	1017·0	+ 1·0	279·7	295·2	15th	271·9	262·4	1st	275·8	..	+5·0	53	+ 34
319	Fort Hope	51 33	87 49	‡260	?983·9	?1015·3	..	?287·4	?297 4	25th	?275·8	?265·8	1st	?281·6	*?281·9*	+1·8	71	
320	Moose Factory	51 14	80 30	9·1	1015·7	1016·8	+ 0·6	288·0	299·7	25th, 26th	274·7	266·3	5th	281·3	..	+2·5	..	— 5
321	Fort George	53 50	79 5	97·5	..	..	..	284·1	296·3	19th	274·1	266·3	5th	279·1	*278·3*	..	30	
322	Mistassini Post	50 15	73 55	383	..	..	..	287·9	299·1	26th	273·5	265·2	4th, 10th	280·7	..	+2·3	35	— 22
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	282·3	291·3	21st	272·6	267·4	7th	277·4	..	—0·2	52	
326	Belle Isle	51 53	55 23	133	..	..	..	..	..	..	..	..	..	..	..	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1014·0	1015·7	+ 0·2	286·5	293·0	24th	281·6	278·6	4th	284·1	284·1	—0·1	122	+ 42
335	Aberdeen	57 10	W 2 6	26·8	:008·9	1012·2	— 2·6	285·9	291·9	23rd	279·5	275·2	1st	282·7	282·6	+1·1	104	+ 29
336	Greenwich	51 28	0 0	46·3	1012·5	1018·1	+ 2·8	292·4	303·6	25th	280·6	273·0	5th	286·5	286·1	+1·3	18	
337	Uccle	50 48	E 4 22	100	1007·1	1019·1	+ 3·8	292·7	298·9	29th	281·8	274·2	5th	287·2	286·4	+1·5	79	+ 17
338	De Bilt	52 6	5 11	3·0	1018·5	1018·9	+ 3·9	291·3	298·7	30th	281·0	272·2	10th	286·1	285·9	+1·1	61	+ 3
338*a*	Hamburg	53 33	9 58	26·0	1016 3	1019·5	+ 4·6	290·5	299·3	25th	282·4	276·7	1st	286·5	*286·3*	+1·4	89	+ 31
339	Copenhagen	55 41	12 36	5·0	1018·0	1018·6	+ 3·5	287·5	293·2	25th	281·7	277·3	6th	284·6	*284·6*	+1·1	90	+ 28
340	Potsdam	52 23	13 4	84·9	1009·3	1019·5	+ 4·4	293·5	302·5	26th	282·3	273·5	6th	287·9	287·5	+1·9	48	+ 3
340*a*	Uppsala	59 51	17 38	24	1014·0	1016·9	+ 3·1	289·1	298·7	25th	278·3	272·0	10th	283·7	283·9	+2·4	38	+ 18
341	Warsaw	52 13	21 1	133	1004·4	1020·2	+ 6·1	294·6	302·6	21st, 26th	283·3	277·2	7th, 11th	289·0	289·0	+2·0	53	+ 23
342	Dorpat (Jurjev)	58 23	26 43	74·5	1011·9	1020·9	+ 6·6	292·2	302·5	22nd	280·8	273·9	3rd	286·5	286·2	+3·3	53	+ 25
343	Petrograd	59 56	30 16	4·8	1020·0	1020·6	+ 6·4	291·8	301·0	22nd	281·6	275·1	2nd	286·7	*286·9*	+5·2	19	— 23
344	Kiev	50 27	30 30	183	997·4	1019·1	+ 4·6	295·9	300·5	26th	284·9	278·0	1st	290·4	*289·9*	+2·4	111	+ 65
344*a*	Moscow	55 50	37 33	167	1001·9	1021·9	+ 6·5	294·9	302·2	22nd	281·1	273·7	4th	288·0	*288·6*	+3·5	18	— 21
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1012·4	1021·9	+ 7·0	297·0	304·0	22nd	282·2	273·4	28th	289·6	*289·6*	+3·8	0	— 25
347	Orenburg	51 45	55 6	109	1005·0	1018·0	+ 2·5	296·1	303·5	24th	282·2	275·7	29th	289·2	*289·4*	+2·4	58	— 2
348	Perm	58 1	56 16	159	1001·8	1020·8	+ 6·6	..	300·3	22nd	280·7	271·1	29th	..	*287·7*	+5·0	10	— 25
349	Ekaterinburg	56 50	60 38	281	987·1	1020·7	+ 5·6	292·1	300·8	22nd	278·2	271·4	30th	285·1	*285·8*	+2·8	20	— 6
350	Tobolsk	58 12	68 14	?108	1008·0	1021·1	+ 6·2	..	299·5	22nd	279·4	271·8	18th	..	*285·2*	+3·6	45	— 17
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	998·7	1018·3	+ 1·9	..	302·7	31st	275·8	269·8	8th, 19th	..	*283·7*	0·0	30	— 9
354	Tomsk	56 30	84 58	122	1002·3	1017·3	+ 2·7	..	295·1	22nd	276·2	270·0	8th	..	*280·9*	+0·5	41	— 17
355	Minousinsk	53 43	91 41	249	987·4	1017·3	+ 1·6	..	302·4	31st	..	..	..	..	*283·2*	..	15	— 12
356	Eniseisk	58 27	92 10	77·6	1006·0	1015·6	+ 1·7	..	295·2	29th	273·7	265·5	1st	..	*279·3*	—0·3	17	— 4
357	Irkutsk	52 16	104 19	467	959·5	1015·1	+ 1·0	..	300·2	31st	273·9	264·8	3rd	..	*281·6*	+0·3	21	— 4
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	674	932·3	1011·4	+ 2·3	..	301·0	31st	274·0	263·3	3rd	..	*283·3*	+2·5	32	— 29
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	965·6	1010·4	..	291·5	302·4	31st	273·4	265·6	2nd	282·4	*284·0*	..	40	— 29
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	993·4	1010·2	+ 3·8	294·0	304·7	31st	279·7	272·8	6th	286·8	*287·5*	+4·7	13	
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1016·8	1018·4	+ 9·5	282·3	288·5	16th	274·8	271·2	13th	278·6	*278·1*	..	30	
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
401	Victoria, B.C.	48 24	123 19	70·1	1009·8	1018·4	+ 2·0	286·9	292·4	6th, 7th	279·1	277·4	3, 13, 24	283·0	282·4	—1·4	35	+ 2
402	Portland, Oregon	45 32	122 41	46·6	1013·9	1019·3	+ 2·4	291·7	303·6	7th	279·9	276·3	3rd	285·8	*285·6*	—1·2	23	— 38
403	Macleod	49 44	113 24	953	..	..	..	286·8	295·2	9th	276·3	271·9	2nd, 3rd	281·6	*281·8*	—1·3	43	— 11
404	Helena	46 34	112 4	1253	872·3	1014·2	+ 1·2	288·3	298·6	27th	276·0	269·7	2nd	282·6	*282·4*	—1·7	65	+ 9
405	Salt Lake City	40 46	111 54	1329	864·7	1011·2	+ 0·2	292·6	300·8	28th	282·2	277·4	2nd	287·4	*287·4*	—0·2	40	— 6
406	Cheyenne	41 8	104 48	1856	811·6	1012·2	+ 1·4	288·3	299·1	29th	277·0	270·8	15th	282·7	*282·6*	—1·0	55	— 7
407	North Platte	41 8	100 45	859	916·7	1015·2	+ 2·8	292·9	301·3	10th	281·8	275·8	8th	287·3	*287·1*	—0·9	84	+ 11
408	Bismarck	46 47	100 38	511	956·8	1017·3	+ 3·7	292·2	300·8	21st	279·2	274·7	13th	285·7	*285·9*	0·0	32	— 30
409	Winnipeg	49 53	97 7	232	988·8	1016·6	+ 2·3	293·0	300·8	9th	278·0	268·0	1st	285·5	*285·3*	+1·6	38	— 20
410	Duluth	46 47	92 6	345	977·3	1018·9	+ 4·2	288·9	298·6	25th	278·2	272·4	1st	283·6	*283·5*	+2·3	119	+ 39
411	Port Arthur	48 27	89 12	196	995·0	1018·8	+ 3·7	287·4	294·7	23rd	275·8	270·2	1st, 14th	281·6	*281·7*	+0·6	35	— 17
412	Chicago	41 53	87 37	251	988·8	1018·9	+ 4·2	289·6	300·8	31st	282·5	276·3	2nd	286·0	*285·9*	—0·8	46	— 47
413	Toronto	43 40	79 24	116	1004·7	1018·7	+ 3·8	291·3	301·3	31st	279·7	272·4	2nd	285·5	*285·4*	+1·0	10	— 66
414	New York (Central Park)	40 47	73 58	47·4	1012·5	1016·1	+ 0·4	293·3	300·8	28th	282·4	276·9	2nd	287·9	*287·1*	—1·9	82	0
415	St. John, N.B.	45 17	66 4	36·2	1012·8	1017·3	+ 3·5	286·3	296·3	26th	277·4	271·9	4th, 5th	281·9	*281·4*	+0·2	40	— 54
416	S.W. Point, Anticosti	49 24	63 35	9·1	1015·4	1016·5	+ 4·5	281·3	288·6	27th	275·2	271·9	4th	278·3	*277·9*	+1·4	62	+ 11
417	Sable Island (Main Station)	43 57	60 6	7·6	1017·3	1018·2	+ 2·5	280·8	286·9	28th	276·3	273·6	2nd	278·6	*278·3*	—1·1	40	— 49
418	Port aux Basques	47 35	59 10	9·1	1016·4	1017·5	+ 4·0	281·3	290·2	20th	274·1	268·6	6th	277·7	*277·9*	0·0	58	— 31
419	St. John's, Newfoundland	47 34	52 42	38·1	1009·5	1014·2	+ 1·6	283·0	294·1	29th	273·6	270·8	8th	278·3	*278·3*	—0·7	63	— 27
420	Madrid	40 24	3 41	667	940·3	1016·1	+ 1·7	298·0	305·0	9th	285·0	277·0	5th	291·5	*290·7*	+3·4	75	+ 35
421	Nantes	47 15	W 1 34	36·5	1014·6	1019·0	+ 3·6	292·3	299·0	24th, 28th	281·9	275·4	5th	287·1	287·1	+0·6	38	— 18
422	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1013·7	1019·8	+ 4·3	293·0	300·2	25th	281·8	275·9	5th	287·4	287·7	+1·7	39	— 12
423	Marseille	43 18	5 23	75	..	1016·7	+ 3·3	299·0	303·8	14th	286·3	278·8	6th	292·7	*292·7*	+3·6	1	— 51
424	Zürich	47 23	8 33	493	962·2	1019·4	+ 3·7	295·2	303·1	13th	283·2	274·0	6th	289·2	288·5	+2·7	95	— 15
425	Rome	41 54	12 27	50·6	1010·0	1016·0	+ 1·9	300·1	305·5	21st	287·7	283·5	11th	293·9	*294·0*	+3·2	25	— 33
426	Vienna	48 15	16 22	203	995·1	1019·1	+ 5·2	293·1	299·0	26th	284·3	275·4	7th	288·7	288·7	+1·2	81	+ 11
427	Budapest	47 31	19 2	130	1002·4	1017·9	+ 4·0	297·7	304·2	21st	285·3	277·5	12th	291·5	*291·5*	+3·3	59	— 13
428	Sofia	42 42	23 20	550	953·3	1016·6	+ 4·2	294·9	300·4	4th	283·8	280·0	9th	289·3	*288·9*	+1·0	107	+ 21
429	Bucharest	44 25	26 5	82	1007·0	1016·7	+ 3·2	297·4	302·7	4th	284·8	280·8	9th	291·1	290·9	+1·0	80	+ 19
430	Odessa (University)	46 26	30 46	42·8	1011·8	1016·9	+ 2·5	295·0	300·5	20th	286·4	283·0	13th	290·7	*289·9*	+1·4	9	— 22
431	Kharkov (University)	50 0	36 14	140	1002·3	1018·8	+ 3·1	297·4	302·1	27th	283·9	276·4	3rd	290·6	*290·7*	+3·2	18	— 26
432	Novorossiisk	44 44	37 49	37·1	1010·0	1014·4	— 0·4	294·2	297·9	11th, 18th	286·3	280·5	5th	290·2	*289·7*	+1·4	42	0
433	Tiflis	41 43	44 48	404	969·1	1016·0	+ 0·8	294·3	301·5	25th	285·3	279·7	8th	289·8	*289·0*	—1·5	122	+ 43
434	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
435	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
436	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
437	Aralskoe More	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
438	Tachkent	41 20	69 18	478	958·8	1013·6	+ 0·9	298·4	306·9	30th	285·1	278·2	11th	291·8	*291·4*	—1·7	37	+ 4
439	Narynskoe	41 26	76 2	?2015	794·8	1009·0	..	..	..	..	297·2	31st	276·1	272·0	15th	..	*282·2*	—2·2	16	..
440	Vernyi	43 16	76 53	841	..	..	..	293·1	304·9	31st	282·4	278·6	7th	287·8	*287·9*	..	27	..
441	Moukden	41 48	123 23	43·8	1004·0	1009·1	+ 0·3	299·6	303·9	18th	284·6	280·6	3rd	292·1	292·1	+3·7	7	— 54
442	Joshin	40 40	129 11	31·9	1007·6	1011·5	+ 2·0	288·2	295·5	14th	281·1	276·9	5th	284·7	284·3	+0·2	44	— 17
443	Yuki	42 20	130 24	65·6	1003·4	1011·4	+ 2·0	288·4	297·5	13th	279·7	274·4	1st	284·1	283·4	+0·5	96	+ 25
444	Vladivostok	43 7	131 55	128	996·2	1011·8	+ 1·5	286·6	295·1	15th	279·3	275·7	1st	283·0	282·4	—0·2	46	— 4
445	Ochiai	47 20	142 46	6·6	1013·0	1013·8	+ 2·9	281·1	293·8	30th	274·8	271·1	5th	277·9	277·8	—0·9	197	+136
446	Nemuro	43 20	145 35	26·7	1008·3	1011·6	+ 0·1	282·5	289·1	31st	277·3	273·0	2nd	279·9	279·6	+0·1	140	+ 46
447	Syana	45 14 N.	147 53 E.	39·3	1008·6	1013·5	+ 2·1	283·3	289·1	6th	276·0	271·3	3rd	279·7	279·3	+0·9	104	+ 24

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

Between Latitude 40° N. and 30° N.

MAY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
448	San Francisco	37 48	122 26	47·2	1009·1	1014·9	— 1·0	290·2	296·9	19th	282·2	280·2	2nd	286·2	*285·4*	—0·7	0	— 20
449	San Luis Obispo	35 18	120 39	61·3	1007·5	1014·9	— 1·1	293·9	305·2	27th	280·8	278·0	3rd	287·3	*285·9*	—0·7	0	— 14
450	San Diego	32 43	117 10	26·5	1010·1	1013·2	— 1·1	291·1	298·0	28th	285·8	283·0	4th	288·4	*288·2*	—0·8	11	+ 3
451	Modena	37 48	113 54	1670	830·3	1009·5	— 0·5	293·9	302·4	20th	276·9	270·2	4th	285·4	*284·9*	+0·6	42	+ 21
452	Santa Fé	35 41	105 57	2138	785·7	1008·1	— 0·7	292·9	299·7	20th	280·0	273·0	15th	286·4	*286·7*	0·0	58	+ 31
453	Denver	39 45	105 0	1613	835·6	1011·8	+ 1·2	293·2	304·1	25th	280·7	274·7	13th	286·9	*286·2*	—0·5	43	— 22
454	Abilene	32 23	99 40	530	951·5	1011·5	+ 0·1	301·2	310·2	3rd	289·3	281·3	17th	295·2	*294·7*	—0·5	210	+116
455	Saint Louis	38 38	90 12	173	995·7	1016·2	+ 1·9	295·6	304·1	22nd	286·9	275·8	14th	291·2	*291·1*	—1·0	127	+ 18
456	Mobile	30 41	88 2	17·4	1012·9	1014·9	— 0·4	301·3	308·0	23rd	292·6	288·6	9th	296·9	*296·3*	+0·2	94	— 15
457	Nashville	36 10	86 47	166	997·3	1016·9	+ 1·3	297·4	304·7	23rd	287·6	280·8	15th	292·5	*292·3*	—1·1	81	— 13
458	Charleston	32 47	79 56	14·6	1014·9	1016·6	+ 0·4	297·0	304·1	1st	289·8	287·4	15th	293·4	*293·9*	—1·6	50	— 33
459	Washington	38 54	77 3	34·1	1014·0	1017·9	+ 2·2	294·1	303·0	11th	283·0	276·3	16th	288·6	*288·9*	—2·0	36	— 56
460	Bermuda	32 17	64 46	46·0	1009·8	1015·2	— 2·7	295·2	299·1	29th	289·1	284·1	7th	292·2	*291·9*	—2·4	215	+102
461	Santa Cruz (Flores)	39 27	31 9	28	1020·6	1023·6	+ 2·1	292·5	296·5	16th	287·7	284·0	27th	290·1	*290·1*	+0·2	33	— 72
462	Horta	38 32	28 38	65	1016·4	1023·6	+ 2·2	292·7	297·1	16th	286·9	284·6	11th	289·8	289·5	—0·4	139	+ 55
463	Ponta Delgada	37 44	25 40	22	1021·1	1023·0	+ 1·9	292·3	294·4	6th	287·1	284·8	11th	289·7	289·7	+0·2	..	..
464	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
465	Madeira (Funchal)	32 37	16 54	25	‡1014·9	‡1017·9	— 1·0	293·8	297·7	5th	288·8	287·0	22nd, 24th	291·3	*291·3*	+0·8	85	— 4
466	Lisbon	38 43	9 9	95	1004·2	1015·4	— 0·5	295·1	303·7	7th	287·7	284·4	20th	291·4	*291·1*	+1·6	30	+ 2
467	Gibraltar	36 6	5 21	16·2	1014·1	1015·9	— 0·4	295·6	299·3	29th	288·0	284·1	20th	291·8	*291·7*	+0·2	50	+ 3
468	Melilla	35 18 N.	2 59 W.	8	1015·3	1016·2	— 1·0	296·9	299·6	28th	288·1	283·2	5th	292·5	*293·8*	+0·1	36	— 8
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

MAY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1014·1	1016·8	+ 1·7	299·2	303·4	14th	287·8	280·4	5th	293·5	..	+2·4	4	— 30
538	Algiers (Bouzaréah)	36 48	3 2	343	975·8	1015·4	+ 0·4	295·4	306·1	13th	288·1	283·9	7th	291·8	291·0	+1·9	9	— 25
539	Tunis	36 48	10 10	21	1014·6	1017·1	..	299·4	306·8	4th	286·1	282·0	8th, 9th	292·7	*293·0*	+2·0	0	— 10
539*a*	Malta	35 54	14 31	56·4	..	1017·9	+ 2·6	297·0	300·7	23rd	289·7	286·9	6th	293·3	*292·4*	+1·4	0	— 23
540	Riposto	37 41	15 14	14·2	..	1018·4	+ 2·0	295·3	298·6	31st	289·6	287·0	1st	292·5	*291·4*	+0·3	0	+ 40
541	Athens	37 58	23 43	107	1001·7	1014·2	+ 0·8	297·3	302·3	29th	288·4	284·5	12th	292·8	292·6	0·0	61	+ 1
542	Alexandria	31 12	29 53	32·0	1009·2	1012·9	— 0·5	298·7	306·8	9th	289·7	287·6	7th	294·2	*293·7*	−0·3	0	
543	Cairo (Helwan)	29 52	31 20	116	998·2	1011·6	— 0·3	303·8	310·0	27th	289·8	286·6	1st	296·8	296·9	—0·4	0	+ 1
544	Nicosia (P.W.D.)	35 9	33 22	159	992·6	1011·0	— 0·4	299·4	303·6	9th	286·8	284·7	sev. dates	293·1	..	—0·7	109	+ 79
544*a*	Beirut	33 54	35 28	33·7	..	1011·9	— 0·9	297·5	298·7	28th	290·8	287·3	1st	294·2	*294·0*	—0·2	3	+ 18
545	Baghdad	33 21	44 28	38·1	..	1007·6	— 2·0	308·3	314·1	24th	294·3	287·7	1st	301·3	*298·9*	+1·1	2	+ 3
546	Lenkoran	38 46	48 52	—20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Tehran	35 41	51 25	1220	..	..	..	299·6	305·5	26th	287·6	281·9	5th	293·6	*293·7*	−0·6	17	+ 5
548	Meshed	36 16	59 35	946	..	..	..	297·3	304·3	29th	282·8	277·4	11th, 12th	290·1	..	−2·3	72	+ 40
549	Seistan	31 0	61 30	?	..	..	..	304·8	309·5	22nd	290·1	278·6	9th	297·4	..	..	0	— 2
550	Quetta	30 11	67 3	1677	831·8	..	0·0	299·1	303·6	21st	281·9	275·8	14th	290·5	*290·6*	—2·3	11	+ 15
551	Peshawar	34 2	71 37	339	968·4	1006·7	+ 1·1	307·8	313·9	22nd	290·7	285·7	14th	299·2	*299·0*	—2·7	7	+ 1
551*a*	Lahore	31 34	74 20	214	980·5	1004·5	+ 1·6	309·3	314·6	9th	293·0	288·7	15th	301·2	*300·9*	−3·7	17	+ 85
552	Simla	31 7	77 8	2205	779·5	..	— 0·6	291·6	296·6	5th	284·3	278·7	17th	288·0	*288·1*	−3·7	151	— 1
552*a*	Leh	34 10	77 42	3503	665·2	..	— 2·4	285·6	291·7	31st	273·1	269·3	13th	279·4	*279·1*	−3·8	5	
559	Hankow	30 35	114 17	37·0	1004·9	1009·2	— 2·3	299·1	304·2	25th	291·6	287·6	6th	295·3	*295·1*	+0·3	140	+ 17
560	Tientsin	39 10	117 10	5·0	1009·1	1009·7	+ 0·1	301·9	307·0	21st	288·9	281·8	3rd	295·4	*294·7*	+2·2	58	+ 29
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1009·6	— 1·5	297·1	302·0	24th	286·7	283·3	7th, 10th	291·9	291·3	−0·3	84	— 5
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1001·8	1009·8	— 1·8	294·7	299·5	3rd	285·1	281·0	1st	289·9	289·1	+1·7	54	— 24
562*a*	Nagasaki	32 44	129 52	133	992·3	1007·8	— 4·2	294·8	299·4	19th	286·1	284·6	11th, 29th	290·4	289·8	−1·0	90	— 23
563	Kyoto	35 1	135 44	42·9	1002·6	1007·7	— 4·1	296·2	303·8	22nd	283·8	279·7	15, 20, 30	290·0	289·4	−0·1	92	+ 107
564	Tokyo	35 41	139 45	21·3	1004·9	1007·4	— 4·7	294·3	298·5	23rd	286·2	283·9	20th, 26th	290·3	289·7	+0·2	260	+ 104
565	Kanayama	37 53	140 46	24·6	1006·0	1008·9	— 3·1	290·7	297·8	22nd	283·0	277·4	30th	286·9	286·4	−0·8	505	+ 150
566	Miyako	39 38	141 59	30·4	1005·8	1009·5	— 2·1	288·4	296·9	24th	281·1	277·3	30th	284·7	284·2	−1·2	274	

MAY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1013·9	— 4·6	..	..	..	289·4	284·7	2nd	..	..	..	98	..
605	Honolulu	21 19	157 52	11·6	1014·5	1015·8	— 1·6	300·2	301·9	..	294·4	293·0	..	297·3	*297·3*	+0·5	32	— 10
614	La Paz	24 10	110 20	12	1008·3	1009·6	..	309·7	314·4	30th	287·9	282·6	3rd	298·8	..	..	0	..
615	Chihuahua	28 38	106 4	1423	857·3	1007·2	..	302·4	305·5	25th, 30th	288·2	284·7	1st	295·3	*295·0*	..	26	+ 53
616	Leon	21 7	101 41	1809	819·3	1004·3	— 0·6	301·9	304·5	5th	287·6	285·4	9th	294·7	..	—1·0	82	+ 53
616*a*	Monterry	25 40	100 18	528	950·7	1008·7	..	304·0	312·6	12th	292·3	289·0	29th	298·1	*298·2*	..	71	+ 10
617	Tulancingo	20 5	98 22	2180	791·6	..	..	..	300·0	..	..	281·0	..	..	289·0	—2·2	91	+ 15
618	Galveston	29 18	94 50	16·5	1012·0	1014·2	+ 0·1	300·1	304·7	26th	295·4	290·2	16th	297·8	*297·5*	+0·4	98	+ 10
618*a*	New Orleans	29 57	90 4	16·2	..	1014·5	— 0·4	302·5	305·8	23rd	294·6	290·8	15th	298·6	*298·1*	+1·4	104	+ 10
619	Merida, Yuc.	20 58	89 38	22	1009·1	1011·5	..	307·2	309·4	16th	296·6	295·0	3rd, 29th	301·9	*301·2*	..	86	— 105
620	Havana	23 8	82 21	24·3	..	1013·9	— 0·5	302·0	303·8	11th, 12th	295·7	293·2	25th, 30th	298·8	298·9	+0·4	13	— 80
620*a*	Key West	24 33	81 48	6·7	1012·8	1013·5	— 1·5	301·8	303·6	2nd	296·5	293·6	18th	299·1	*299·0*	—0·1	81	+ 50
621	Nassau, Bahamas	25 5	77 21	3·7	..	‡1013·7	— 2·3	301·9	304·7	8th	297·1	293·3	18th, 19th	299·5	*299·4*	+0·9	230	..
622	Watling Island	24 6	74 26	33·5	1010·4	1014·2	— 1·7	..	304·7	30th	..	296·3	17th	..	*300·3*	..	..	..
633	Izaña	28 19	16 30	2367	765·9	..	..	283·6	291·8	27th	275·7	271·6	13th	279·7	*279·1*	..	30	+ 44
634	La Laguna	28 28	W16 20	547	951·1	1014·5	— 1·7	290·9	297·5	1st	284·4	279·8	26th	287·7	*287·2*	—1·7	58	
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	—23	..	..	..	303·8	307·0	8, 24, 29	289·1	285·0	2nd	296·4	..	..	0	..
642																		
643	Aswan	24 2	32 53	99·6	998·7	1009·9	+ 0·3	309·9	317·6	27th	294·8	289·0	5th	302·4	*302·2*	—0·2	0	..
644	Tor	28 14	33 37	1·9	1010·0	1010·2	+ 0·4	304·0	308·6	26th	292·4	287·8	3rd	298·2	*297·6*	+0·3	..	..
647	Bushire	28 59	50 53	4·3	1007·1	1007·8	— 0·2	305·4	308·6	6th	297·9	294·2	1st	301·7	*301·1*	+0·7	0	+ 20
648	Jask	25 44	57 47	4·0	1005·9	1006·4	— 0·2	307·8	311·1	10th	298·0	294·8	1st	302·9	*302·3*	+0·3	0	+ 15
649	Karachi	24 53	66 57	4·0	1006·3	1006·8	+ 1·0	305·4	315·0	10th	298·9	295·1	29th	302·2	*301·6*	+0·5	21	+ 15
650	Jacobabad	28 17	68 29	56·7	998·6	1004·8	+ 2·2	314·4	319·5	21st	297·6	291·2	15th	306·0	*305·6*	—2·1	10	+ 1
651	Jaipur	26 56	75 52	436	957·9	1005·7	+ 1·0	310·6	316·0	6th	294·2	288·7	17th	302·4	*301·8*	−4·3	29	— 1
652	Nagpur	21 8	79 5	310	971·9	1005·6	+ 1·3	313·8	317·7	10th	299·1	294·8	27th	306·4	*305·8*	−1·9	8	+ 30
653	Allahabad	25 25	81 51	94·1	994·9	1005·4	+ 2·0	312·9	317·6	10th	297·8	293·4	17th, 26th	305·3	*304·9*	−1·7	0	+ 81
653*a*	Darjeeling	27 3	88 18	2266	774·1	..	— 1·1	292·1	298·2	31st	283·1	278·8	21st	287·6	*287·7*	+0·2	275	..
654	Calcutta	22 36	88 23	6·4	1004·4	1005·1	+ 0·1	308·9	312·9	8th	298·6	294·2	14th	303·7	*303·6*	+0·7	60	— 55
655	Gauhati	26 8	91 41	59·7	1000·6	1007·4	— 0·3	303·8	308·3	31st	294·6	291·7	21st	299·2	*298·1*	—0·4	171	— 107
655*m*	Cherrapunji	25 15	91 42	1314	866·3	..	— 0·2	295·9	298·5	31st	288·4	285·4	11th	292·2	*291·5*	+0·2	903	+ 112
655*a*	Akyab	20 11	92 56	6·1	1006·0	1006·6	— 0·8	305·3	308·2	3rd	297·6	292·0	10th	301·4	*301·7*	—0·7	228	+ 114
656	Mandalay	21 59	96 0	76·2	998·1	1006·6	— 0·5	309·5	314·9	2nd, 3rd	298·5	293·7	5th	304·0	*303·7*	−0·8	263	— 53
656*a*	Tengyueh	24 59	98 35	1633	830·8	1003·3	..	296·2	299·7	29th	284·6	281·9	14th, 24th	290·4	*289·9*	..	90	— 35
657	Phu Lien	20 48	106 38	116	991·4	1004·5	— 3·5	304·6	308·8	27th	297·2	293·4	7th	300·9	300·0	+1·4	210	+ 3
658	Moncay	21 31	107 51	9·0	1004·2	1005·2	— 2·6	303·1	305·8	16th	295·9	293·0	7th	299·5	*299·9*	—0·1	303	+ 109
659	Hongkong	22 18	114 10	33·2	..	1007·1	— 2·3	299·7	304·3	23rd	295·8	292·8	1st	297·7	297·5	−0·4	461	+ 210
660	Amoy	24 27	118 4	ca.3	1008·3	1008·6	— 2·1	298·2	304·1	24th	293·9	290·8	9th	296·1	*295·8*	−0·3	146	+ 49
661	Taihoku, Formosa	25 2	121 31	9·3	1007·6	1008·7	— 1·7	300·3	306·0	22nd	292·6	288·9	13th	296·5	296·0	−0·9	358	+ 129
661*a*	Basco	20 28	121 59	18·7	1004·0	1006·3	— 2·3	303·6	305·0	20th	296·3	293·4	14th	299·9	*300·1*	−0·2	311	— 132
662	Naha	26 13	127 41	10·5	1007·0	1008·3	— 2·8	299·3	303·1	24th	292·3	289·0	11th, 15th	295·8	295·6	−0·5	122	+ 48
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1006·7	1007·2	— 5·9	297·7	299·8	29th	292·7	289·0	20th	295·2	295·0	−0·8	242	+ 48
		N.	E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 116.

MAY 1920.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

MAY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	954·8	1009·8	..	303·0	305·9	1st	295·5	293·2	21st	299·2	*299·2*	..	17	..
716	Morelia	19 42	101 7	1923	807·7	1004·4	..	295·4	297·3	27th	..	..	..	..	*292·1*	..	115	..
717	Mexico, Tacubaya	19 24	99 12	2309	773·9	1010·6	— 0·6	297·2	301·4	3rd	284·3	281·5	27th	290·8	289·3	—1·1	111	+ 60
718	Salina Cruz	16 12	95 12	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
719	San Salvador	13 42	89 13	682	933·5	1008·6	— 1·2	306·3	312·4	2nd	292·1	289·4	25th, 26th	299·2	*296·6*	—0·7	188	+ 19
720	Belize	17 29	88 12	5·2	1011·5	1012·0	+ 0·4	303·7	305·8	31st	298·1	294·1	24th, 25th	300·9	*300·5*	+0·3	10	— 130
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·2	— 0·2	302·7	304·9	3rd	295·3	293·2	10th	299·0	*298·6*	—0·2	199	+ 50
722	Port au Prince	18 34	72 22	37·4	1008·8	1013·1	— 0·6	305·6	308·8	13th	295·7	293·7	23rd	300·7	*299·6*	+0·6	176	— 68
723	Caracas	10 30	66 55	1042	899·2	1014·5	+ 0·6	300·9	304·7	5th	288·8	286·2	9th	294·8	*293·3*	−0·8	92	+ 21
724	Montserrat	16 41	62 9	39·6	1009·5	1014·0	— 0·9	305·8	306·9	sev. dates	295·4	292·4	2nd	300·6	*299·9*	..	28	..
725	Grenada (Richmond Hill)	12 5	61 46	155	‡995·1	‡1013·0	+ 0·2	302·0	303·0	4th, 10th	296·4	294·7	15th, 16th	299·2	*298·8*	—0·2	34	— 83
726	Barbados	13 8	59 36	55·2	..	1014·0	+ 0·1	303·1	303·9	25th	295·4	294·1	13th	299·3	*299·2*	0·0	24	— 44
731	São Vicente, C. Verde Is.	16 54	25 4	11	1014·0	1015·3	+ 0·7	297·6	299·5	1st	..	..	..	..	*295·9*	+0·3	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1011·3	1015·9	+ 1·3	300·1	304·0	7th	294·2	293·0	6th, 7th	297·1	*297·1*	+0·1	0	0
733	Bathurst	13 27	16 36	1·8	1013·2	1013·4	0·0	303·6	311·3	3rd	..	..	..	..	..	..	0	— 4
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	313·7	315·2	1, 4, 5	298·2	296·9	sev. dates	305·9	..	+1·0	10	— 1
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	311·6	314·7	7th, 16th	298·2	289·7	31st	304·9	*304·6*	—0·4	52	+ 2
738	Kaduna Capital	10 32	7 25	637	943·6	1014·8	— 0·2	303·3	306·3	9, 11, 14	293·5	291·9	5, 29, 31	298·4	*298·0*	−0·9	90	— 61
739	Hadeija	12 40	10 5	?	..	..	..	312·8	317·4	20th	296·6	291·9	11th	304·7	*304·4*	−0·5	70	..
740	Maiduguri	11 47	13 11	361	..	..	..	313·1	316·3	5, 11, 20	297·8	293·0	28th	305·5	*305·2*	−0·6	85	+ 57
741	El Fasher	13 32	25 18	730	..	..	..	308·8	316·8	15th	294·2	289·0	1st	301·5	*300·4*	..	55	..
743	El Obeid	13 11	30 14	569	..	..	..	310·5	314·7	5th	296·4	291·0	30th	303·4	*302·6*	—0·3	38	+ 27
744	Khartoum	15 37	32 33	390	964·4	1007·4	+ 0·9	312·3	316·3	5th	298·6	293·7	30th	305·5	*305·7*	—0·9	4	+ 1
745	Port Sudan	19 37	37 13	5·5	1008·4	1009·1	+ 0·6	307·3	311·0	17th, 31st	297·1	293·4	2nd	302·2	*302·2*	+0·3	0	— 1
746	Berbera, Somaliland	10 22	45 2	5·2	1007·4	1008·4	— 0·7	307·4	309·1	6, 12, 16	299·9	298·6	10th	303·7	*303·8*	0·0	0	— 8
747	Aden	12 45	45 3	28·7	1006·2	1009·4	+ 0·1	306·1	308·6	26th	300·5	298·4	12th	303·3	*302·6*	−0·3	0	— 3
751	Bombay	18 54	72 49	11·3	1008·4	1009·7	+ 0·2	306·0	306·8	30th	300·2	299·1	1st	303·1	*302·5*	+0·3	0	— 16
752	Cochin	10 58	76 21	2·7	1009·9	1010·1	+ 0·3	305·3	306·2	25th	298·9	295·8	29th	302·1	*301·5*	+0·4	80	+214
752	Kodaikanal	10 14	77 28	2343	771·2	..	+ 0·1	294·2	297·2	9th	285·5	283·1	27th	289·8	*289·8*	+0·2	93	— 59
753	Bangalore	12 59	77 38	920	909·4	1008·4	+ 0·3	307·5	310·1	10th	293·7	291·4	25th	300·6	*299·7*	+0·8	61	— 45
754	Madras	13 4	80 14	6·7	1006·1	1006·8	— 0·2	310·6	315·6	7th	300·5	296·4	27th	305·5	*304·7*	+0·2	32	+ 6
754*a*	Vizagapatam	17 42	83 19	11·6	1004·9	1006·2	+ 0·3	306·8	309·7	17th	300·8	295·6	23rd	303·8	*303·2*	+0·6	33	— 20
755	Port Blair	11 40	92 40	17·7	1006·0	1008·1	— 0·8	304·3	306·0	14th, 15th	298·3	295·5	1st	301·3	*300·7*	—0·4	237	—165
756	Rangoon	16 46	95 48	5·5	1007·6	1008·3	— 0·2	306·1	308·9	1st	298·1	294·8	6th	302·1	*300·8*	—0·1	369	+ 59
757	Saigon	10 47	106 42	11·2	..	..	..	306·7	308·8	2nd	297·8	296·2	17th, 23rd	302·2	*301·6*	0·0	215	+ 12
758	Cap St. Jacques	10 20	107 5	180	986·9	1007·2	— 0·4	..	..	..	..	..	..	..	..	..	..	..
758	Nhatrang	12 15	109 12	3·6	1006·0	1006·4	— 1·4	306·1	308·3	12th	296·9	295·8	19th, 26th	301·5	*300·9*	—0·2	3	— 61
759	Bolinao	16 24	119 53	7·1	1005·1	1006·0	— 1·6	306·0	310·7	4th	298·0	296·9	11th	302·0	*301·1*	—0·7	135	— 44
759*a*	Vigan	17 34	120 23	12·2	..	1007·4	— 1·2	305·8	307·5	2, 4, 29	297·7	296·2	7th	301·7	301·4	−0·3	159	+ 1
760	Manila	14 35	120 59	14·2	..	1008·0	— 0·4	306·3	308·9	4th	297·4	296·2	14th	301·9	301·1	−0·3	141	+ 28
765	Ormoc	11 0	124 36	5·6	1007·1	1007·9	— 0·2	306·7	308·2	30th	296·0	292·9	3rd	301·3	*300·8*	+1·1	124	+ 36
765	Guam, Ladrone Is.	13 24	144 38	**	1005·7	1008·3	— 1·0	304·7	306·0	9th	297·7	295·2	6th	301·2	*301·4*	+0·4	105	+ 1
		N.	E.															

Between Latitude 10° N. and 0°.

MAY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
752	Fanning Island	3 55	159 23	3·1	..	..	..	304·6	306·9	16th, 17th	297·1	295·8	7th	300·8	*300·3*	+0·6	89	—284
753	Colon	9 23	79 23	11·0	..	1010·6	+ 0·1	304·4	306·9	19th	297·9	295·8	24th	301·1	*300·7*	+1·3	139	—184
754	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	200	+ 85
754	Merida, Venez.	8 36	71 9	1641	‡ 841·6	..	..	297·6	300·4	12th	288·7	287·0	30th	293·1	*291·9*	..	255	..
755	El Peru, Guayanavieja	7 19	61 49	220	? 986·4	?1011·2	+ 0·4	?305·0	?306·9	31st	?294·6	?292·9	9th	?299·8	*?299·1*	+0·6	44	—106
756	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·5	+ 1·6	302·5	303·6	15th	297·1	295·2	12th	299·8	*299·3*	+0·1	121	—166
756	Paramaribo	5 49	55 9	3·7	‡ 1013·6	‡1014·0	+ 1·0	302·8	304·3	25th	295·8	293·5	5th	299·3	*298·5*	0·0	221	— 95
757	Cayenne	4 56	52 21	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
761	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
762	Freetown, Sierra Leone	8 29	13 9	68·3	1003·6	1011·5	+ 0·3	304·6	306·3	21st, 30th	296·1	291·3	22nd	300·3	*299·4*	—0·2	144	—147
763	Cape Coast	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	198	+ 8
764	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	..	..	..	..	*‡301·6*	+0·4	54	— 90
765	Lagos	6 27	E 3 24	4·6	1011·0	1011·5	— 0·9	303·3	304·8	..	297·0	294·7	..	300·2	*299·8*	—0·5	226	— 40
766	Zungeru	9 48	6 10	130	..	..	..	306·9	310·8	10, 13, 15	296·1	293·6	16th, 18th	301·5	*301·0*	−0·3	155	+ 32
767	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
768	Yola	9 12	12 30	259	..	..	..	308·4	311·9	15th	..	..	..	..	*‡301·2*	0·0	82	— 31
769	Wau	7 42	28 3	440	..	..	..	305·9	310·0	4th, 11th	294·8	293·0	4th, 7th	300·4	*299·6*	−0·5	177	+ 38
773	Malakal (Kodok)	9 35	31 37	394	965·2	1009·4	+ 1·3	307·4	312·6	4th	..	..	..	..	*‡299·4*	..	196	+130
774	Mongalla	5 11	31 47	439	? 959·4	?1008·0	0·0	306·1	309·2	6th	294·4	293·0	27th, 30th	300·2	*298·3*	—0·8	202	+ 65
775	Entebbe	0 5	32 29	1171	884·2	1010·8	+ 0·1	297·6	300·2	11th	290·0	288·3	31st	293·8	*293·4*	−0·6	363	+147
776	Minicoy	8 17	72 49	2·1	1011·0	1011·2	+ 1·1	..	..	..	..	..	..	..	..	..	203	+ 56
777	Colombo Observatory	6 54	79 53	7·3	..	1009·2	+ 0·8	303·9	304·5	21st	298·7	295·6	29th	301·3	*300·7*	+0·2	220	—109
778	Nuwara Elija	6 59	80 47	1886	813·2	1011·4	..	295·6	298·7	9th	282·5	278·1	8th	289·1	*288·3*	—0·4	119	— 53
779	Tr

MAY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	303·1	305·2	1st, 4th	296·2	294·0	20th	299·6	*299·0*	—0·8	147	— 11
926	Taperinha	2 30	54 20	20·0	1009·6	1011·8	— 0·0	301·4	302·8	sev. dates	295·4	293·4	27th	298·4	*297·6*	—0·2	270	..
927	Turyassu	1 43	45 26	15·1	1009·4	1011·2	— 0·2	303·6	306·1	23rd	294·5	293·1	29th	299·0	*297·7*	—1·0	422	+148
928	Barra do Corda	5 30	45 16	81·0	1001·0	1010·3	— 0·5	..	..	..	293·3	289·6	9th	..	*297·7*	+0·2	61	0
929	Quixeramobim	5 16	39 15	207	988·9	1013·8	— 0·1	302·7	305·3	8th	296·4	294·4	16th	299·6	*299·4*	—0·1	167	+ 74
930	Fernando Noronha	3 50	W32 25	106	1000·1	1012·0	— 1·6	300·2	301·2	4th	296·7	294·3	28th	298·4	*298·4*	..	438	+217
939	Loanda	8 49	E13 13	59·3	..	1012·6	+ 0·7	299·5	301·0	1st, 6th	295·8	293·7	30th, 31st	297·7	297·3	0·0	6	— 7
940	Brazzaville	4 17	15 16	320	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Masaka	0 21	31 47	‡1280	..	..	..	297·1	298·6	7th, 11th	289·4	287·4	26th	293·3	*293·1*	+0·6	277	+114
944	Nairobi	1 14	36 44	1800	..	..	..	295·2	285·8	12th	284·1	279·1	5th	289·7	*289·0*	—0·7	149	— 1
944*a*	Zanzibar	6 10	39 11	21·9	1013·4	1013·9	— 0·2	301·1	302·5	6th	297·0	294·7	18th	299·1	*297·8*	—0·1	383	— 29
945	Lamu	2 16	40 50	3·1	..	..	..	301·3	303·0	8th	292·4	290·2	22nd	296·9	*296·3*	—3·4	405	+ 15
947	Seychelles, Port Office	4 37	55 27	4·6	1010·9	1011·4	— 0·4	302·1	302·9	..	299·2	297·6	..	300·7	*299·9*	+0·5	169	..
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	..	— 81
958	Batavia	6 11	106 50	8·0	1009·0	1009·9	+ 0·5	303·5	304·8	10th	296·3	295·1	27th	299·9	299·6	+0·1	230	— 14
958*a*	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	87	—116
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	153	— 53
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	7	—107
962	Amboina	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	44	..
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	193	—311
965	Daru	9 4	143 13	7·6	..	1010·7	0·0	299·1	..	..	..	..	..	..	..	..	200	— 7
966	Port Moresby	9 29	147 9	39·0	..	1011·0	+ 0·4	303·1	..	..	297·1	..	..	300·1	*299·7*	+0·2	411	+139
967																	68	— 8
968	Rendova	8 30	157 12	1·8	1010·0	1010·1	+ 0·9	..	..	..	..	..	..	..	..	..	486	+162
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·0	1010·2	+ 0·4	303·9	306·2	2nd	297·2	296·0	24th	300·5	*300·2*	0·0	129	— 55
970	Ocean Island	0 52 S.	169 35 E.	54·0	1001·9	1008·1	0·0	303·7	304·7	4, 18, 31	297·3	295·8	25th	300·5	*299·8*	—0·3	134	— 20

MAY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1011·1	0·0	303·7	305·0	11th	295·8	293·5	10th	299·7	299·9	+1·2	176	+ 36
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·9	305·8	3rd	292·4	288·0	9th	297·2	*296·8*	—0·3	21	—118
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	761·7	..	0·0	292·2	294·8	12th	282·3	279·1	18th	287·3	*286·5*	0·0	0	0
1022	Puerto de Arica	18 28	70 20	5	..	..	..	294·7	295·4	sev. dates	288·5	286·2	sev. dates	291·6	..	+0·4	0	0
1023																	0	— 7
1024	Sucre, Bolivia	19 3	65 16	2848	729·1	..	..	291·0	295·2	30th	277·3	273·0	21st	284·1	*284·6*	..	0	— 6
1025	Corumba	18 59	57 39	116	999·2	1012·6	— 0·2	300·4	303·1	30th	290·8	280·8	22nd	295·6	*294·9*	—1·6	91	+ 52
1026	Cuyaba	15 36	56 6	165	993·0	1011·7	— 0·2	304·2	307·5	28th	291·5	283·0	22nd	297·8	*296·8*	—1·8	101	0
1027	Bello Horizonte	19 55	43 57	857	920·3	1016·6	— 0·7	297·7	300·6	11th	286·3	275·5	24th	292·0	*290·3*	—1·2	14	+ 25
1028	Caetite	14 3	42 37	900	916·5	1015·6	+ 0·2	297·9	301·4	21st	290·1	287·3	28th	294·0	*294·3*	+0·3	37	+ 4
1029	Ondina (Bahia)	13 0	38 31	46·6	1008·1	1013·5	— 1·1	300·4	303·6	21st	295·4	293·6	23rd, 28th	297·9	*297·8*	0·0	297	+ 30
1030	Aracaju	10 54	37 3	4·0	1013·9	1014·3	— 0·2	302·3	304·5	22nd	294·8	292·0	20th	298·5	*299·3*	0·0	195	..
1035	St. Helena	15 57	W 5 40	‡579	945·8	1011·9	+ 0·1	295·6	299·1	16th	287·7	285·8	31st	291·7	*291·5*	+1·2	168	+ 63
1039	Mossamedes	15 11	E12 10	12·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1042	Gwelo	19 28	29 48	1417	865·0	1019·3	+ 0·8	297·1	301·3	27th	281·6	279·1	13th, 21st	289·3	..	+0·7	19	— 9
1043	Salisbury, Rhodesia	17 48	31 5	1457	858·1	1016·0	— 1·7	297·4	300·2	27th	282·7	280·2	6, 14, 24	290·1	*289·0*	+1·2	10	— 4
1044	Zomba	15 23	35 18	996	909·9	1020·5	— 1·5	296·7	300·8	4, 26, 27	287·6	284·7	7th	292·1	*291·8*	+0·4	61	+ 38
1045	Antananarivo	18 55	47 32	1400	866·5	1019·0	+ 0·4	295·7	297·9	2nd	285·2	283·1	22nd	290·5	*289·6*	+0·2	6	— 5
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·6	1012·0	+ 0·3	302·3	304·7	5th	298·2	295·2	10th	300·3	*299·9*	+0·1	166	— 42
1057	Christmas Island	10 25	105 43	5·5	1008·3	1008·9	+ 0·6	304·4	305·2	..	296·7	294·7	..	300·6	*299·8*	+0·2	26	—212
1061	Kupang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	1	— 30
1061*a*	Derby	17 18	123 40	16·2	1012·2	1014·2	+ 0·6	304·9	308·3	18th	290·3	284·3	24th	297·6	..	—0·6	0	— 21
1062	Hall's Creek	18 13	127 46	374	972·9	1014·8	— 0·5	302·9	307·6	10th	286·0	279·1	23rd	294·4	*293·8*	0·0	0	— 10
1063	Darwin	12 28	130 51	29·6	1007·6	1010·9	0·0	306·3	308·6	7th	296·0	292·6	24th	301·2	*300·0*	+0·5	0	— 17
1064	Daly Waters	16 16	133 23	211	987·7	1011·5	— 1·5	304·4	308·6	13th	292·1	288·6	22nd, 23rd	298·3	*297·7*	+1·6	1	— 4
1065	Mein	13 13	142 47	122	996·8	1010·5	— 0·3	302·4	305·8	6th	292·1	288·1	18th	297·3	..	—0·6	134	+127
1066	Georgetown, Queensland	18 22	143 32	302	980·1	1014·3	+ 0·1	301·1	303·8	14th	290·6	287·4	8, 9, 10	295·8	..	+0·1	124	+114
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1072	Suva, Fiji	18 8 S.	178 26 E.	17·7	1011·9	1014·0	— 0·4	299·2	302·3	4th	294·3	291·4	20th	296·7	*296·4*	—1·0	309	+ 51
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

MAY—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	292·0	288·0	9th	..	..	..	78	— 85
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·1	1016·3	— 0·3	290·0	293·0	19th	285·0	283·1	19th	287·5	*287·3*	+1·0	4	— 30
1122	Iquique	20 12	70 11	9	1013·8	1014·9	— 0·4	292·7	295·5	11th	288·2	286·6	25th	290·5	*290·3*	0·0	0	0
1123	Catamarca	28 27	65 47	510	949·4	1007·2	— 5·2	299·2	305·0	9th	283·9	275·8	20th	291·5	291·6	+2·8	0	— 12
1124	Salta	24 46	65 28	1178	881·8	1011·9	— 1·2	295·7	300·4	10th	282·4	274·8	21st	289·1	288·9	+2·0	0	— 9
1125	Goya	29 9	59 15	26	1009·4	1012·5	— 3·6	297·0	301·8	30th	286·8	279·1	21st	291·9	291·3	+2·1	74	+ 4
1126	Asuncion	25 21	57 37	95	‡1004·5	‡1015·6	— 1·7	..	..	..	287·4	278·5	21st	..	292·9	+1·0	89	— 8
1127	Curityba	25 25	49 17	908	914·6	1017·3	— 2·1	293·3	297·8	11th	281·3	270·4	23rd	287·3	*286·6*	+0·2	92	— 24
1128	Rio de Janeiro	22 54	W43 10	61·4	1008·6	1017·3	— 1·1	297·8	301·9	17th	291·9	287·6	23rd	294·8	294·5	—0·2	20	— 64
1139	Windhoek	22 35	E17 5	1680	..	..	..	295·2	298·2	28th	283·5	276·1	28th	289·3	*289·3*	+0·5	1	— 5
1140	Kimberley	28 42	24 47	1202	885·1	1019·6	— 0·9	293·8	300·2	6th	278·9	269·3	27th	286·3	285·9	+0·3	5	— 15
1141	Johannesburg	26 11	28 4	1806	825·4	1019·3	— 0·5	291·8	298·0	6th	281·0	272·4	27th	286·4	*286·0*	+1·0	42	+ 23
1142	Pretoria (Brooklyn)	25 46	28 13	1400	864·6	1018·1	— 0·5	295·0	299·1	5th, 14th	280·6	275·2	30th	287·8	*287·4*	+1·5	29	..
1143	Bulawayo	20 9	28 35	1340	870·5	1017·3	— 0·7	296·6	300·1	27th	281·9	279·1	3rd, 23rd	289·3	*288·5*	+0·1	16	+ 9
1144	Durban	29 52	31 3	15·2	1018·0	1019·8	— 0·8	297·2	301·9	2nd	288·6	283·7	29th	292·9	*292·3*	+0·4	18	— 30
1147	Lourenço Marques	25 58	32 36	59	..	1018·3	— 0·8	299·9	305·2	24th	289·0	283·0	30th	294·4	293·9	+0·4	32	+ 2
1159	Mauritius	20 6	57 33	55·2	1010·4	1016·8	+ 0·4	298·7	299·6	16th, 21st	291·9	289·4	9th	295·3	294·9	—0·4	116	+ 39
1160	Onslow	21 43	114 57	4·3	1013·5	1014·4	— 0·2	302·6	307·0	6th	287·7	282·8	19th	295·1	..	0·0	1	— 36
1161	Peak Hill	25 38	118 47	588	948·2	1015·3	— 1·1	296·2	301·1	7th	284·4	280·2	31st	290·3	..	—0·4	0	— 23
1162	Nullagine	21 53	120 5	386	971·9	1015·6	— 0·2	300·1	305·2	8th	283·7	276·2	26th	291·9	..	—1·2	0	— 13
1163	Laverton	28 40	122 23	466	964·2	1017·8	— 1·6	294·8	300·1	3rd	282·1	277·7	15th	288·4	*288·3*	—0·3	9	— 16
1164	Alice Springs	23 38	133 37	587	950·1	1016·9	— 2·3	295·6	303·0	9th	279·7	270·2	23rd, 24th	287·7	288·4	—0·7	0	— 17
1165	William Creek	28 55	136 21	76·2	1010·4	1019·5	— 0·9	294·3	298·6	12th	280·3	272·4	24th	287·3	*287·0*	—0·8	4	— 6
1166	Thargomindah	27 58	143 43	123	1003·8	1018·3	+ 0·2	295·9	301·6	10th	283·3	276·9	21st	289·6	*289·4*	—0·3	5	— 16
1167	Mitchell	26 32	147 52	336	979·7	1018·3	..	294·7	299·7	6th	281·1	270·8	20th	287·9	..	+0·4	29	— 10
1168	Rockhampton	23 24	150 30	11·3	1014·9	1016·2	— 1·4	299·2	304·1	1, 11, 16	289·4	284·1	19th	294·3	..	+1·0	49	+ 8
1169	Brisbane	27 28	153 2	41·7	1013·6	1018·5	— 0·3	296·0	301·3	16th	286·2	281·2	13th	291·1	*290·5*	0·0	51	— 21
1170	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1172	Norfolk Island	29 4 S.	167 59 E.	15·2	1016·0	1017·8	— 0·1	293·3	296·1	3rd	288·7	284·1	16th	291·0	*290·6*	—0·6	80	— 61

MAY—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1222	Punta Tumbes	36 37	73 6	91	‡1002·8	‡1013·7	— 2·9	288·6	292·8	15th	282·4	278·0	31st	285·5	*285·4*	+0·3	158	+ 71
1223	Punta Angeles, Valparaiso	33 1	71 38	41	1010·8	1015·7	— 1·3	290·5	295·5	19th	283·5	280·6	23rd	287·0	*286·5*	—0·4	194	+102
1223	Santiago	33 27	70 42	520	955·0	1016·0	— 1·1	292·1	301·8	3rd	278·8	274·2	19th	285·5	*284·4*	+1·3	101	+ 42
1224	Cordoba	31 25	64 12	423	962·8	1011·8	— 3·5	296·7	303·0	..	281·3	271·6	..	289·0	288·5	+2·2	4	— 21
1225	Bahia Blanca	38 45	62 15	25	..	1012·8	— 1·1	290·6	296·7	9th	281·6	274·2	30th	286·1	286·0	+1·5	3	— 28
1226	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1014·2	— 2·9	292·5	299·2	10th	283·4	273·4	22nd	287·9	287·4	+1·0	67	— 10
1226	Montevideo (Prado)	34 52	56 12	24·9	1011·3	1014·3	— 2·2	292·9	300·3	14th	284·1	276·1	24th	288·5	288·3	+1·5	57	— 41
1226	Porto Alegre	30 2	W51 13	23·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1239	Cape Town	33 56	E18 29	12·2	..	1018·0	— 0·2	292·6	301·3	14th	284·1	278·0	25th	288·3	*286·8*	+0·4	87	— 10
1240	Danger Point	34 37	19 18	27·7	1013·6	1016·9	..	291·2	298·0	19th	285·3	280·8	26th, 27th	288·2	..	..	164	+ 95
1241	Riversdale	34 6	21 16	? 61	1005·7	1013·0	..	294·8	304·7	20th, 21st	282·3	276·3	25, 28, 30	288·5	..	..	38	..
1242	East London	33 1	27 54	9·8	1015·6	1016·8	— 1·3	295·3	300·8	3rd	285·1	277·4	25th	290·2	..	+0·3	13	— 41
1256	Perth (Observatory)	31 57	115 51	60·0	1008·6	1016·0	— 2·5	293·4	300·5	5th	284·6	280·0	1st	289·0	*289·0*	+0·1	170	+ 46
1260	Katanning	33 42	117 35	310	979·0	1015·9	— 2·7	290·9	297·8	4th	281·5	276·3	30th	286·2	..	+0·3	85	+ 33
1261	Coolgardie	30 57	121 10	423	967·6	1016·6	— 3·0	293·6	300·9	24th	280·7	275·9	12th	287·1	*287·0*	—0·1	7	— 28
1262	Eucla	31 45	128 58	4·6	1016·3	1016·8	— 2·2	294·2	301·1	8th	283·5	277·7	26th	288·8	*288·4*	—0·1	24	— 8
1263	Streaky Bay	32 48	134 13	13·1	1018·0	1019·4	— 1·4	292·3	298·7	4th	282·8	276·1	21st	287·6	*287·1*	—0·3	72	+ 23
1264	Adelaide	34 56	138 35	42·7	1015·0	1020·2	+ 0·1	291·4	296·4	30th	282·3	276·1	23rd	286·9	*286·7*	—0·5	60	— 10
1265	Melbourne	37 49	144 58	35·1	1015·6	1019·8	+ 0·3	287·7	292·6	29th, 31st	280·6	275·1	28th	284·1	*283·8*	—1·2	50	— 5
1267	Bourke	30 13	145 58	110	1008·4	1021·9	0·0	295·3	300·8	13th	280·2	273·0	9th	287·8	..	—0·6	4	— 23
1268	Sydney	33 51	151 13	44·5	1013·8	1019·2	+ 0·7	293·4	298·0	14th	282·8	279·3	19th	288·1	*287·1*	+0·2	7	—123
1268	Lord Howe Island	31 20	159 0	4·6	1016·9	1017·5	— 0·1	294·1	296·9	16th	287·6	283·1	25th	290·8	..	—0·4	182	+ 44
1271	Auckland	36 50	174 50	38·1	..	1010·8	..	288·6	291·6	19th	282·7	276·3	30th	285·6	..	—1·1	142	+ 30
1272	Napier	39 32 S.	176 53 E.	21·3	..	1007·9	— 6·6	288·4	294·1	18th	278·8	274·7	29th	283·6	..	—1·5	40	— 65

Between Latitude 40° S. and 50° S.

MAY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	104	..	995·8	..	..	..	..	..	..	..	..	..	..	211	+113
1321	Isla Guafo	43 34	74 45	140	990·7	1007·5	— 5·5	285·1	290·9	3rd	280·8	275·7	31st	282·9	*282·8*	+0·9	107	— 29
1322	Punta Galera	40 1	73 44	40	1006·7	1011·5	— 3·3	286·8	289·4	12th	282·6	279·4	26th, 31st	284·7	*285·0*	+0·9	468	+145
1323	Sarmiento	45 30	69 0	274	..	1005·1	..	284·5	293·2	4th	276·2	265·0	11th	280·3	280·0	+0·7	23	+ 1
1324	Punta Madryn	42 49	W64 58	14	..	1008·4	..	289·3	299·4	5th	279·4	271·8	31st	284·3	284·2	+1·0	8	— 17
1365	Launceston	41 27	E147 10	10·1	1014·4	1015·9	— 0·2	288·3	293·8	8th	276·4	271·6	31st	282·4	*281·8*	—0·4	49	— 19
1366	Hobart	42 53	147 20	53·9	1008·1	1014·6	— 1·0	287·2	290·8	25th	279·6	274·1	23rd	283·4	*282·8*	+0·2	55	+ 8
1371	Invercargill	46 25	168 21	5·5	..	..	..	284·7	290·8	3rd	276·3	270·2	6th, 14th	280·5	..	—0·1	160	+ 43
1371*a*	Dunedin	45 52	170 31	91·4	..	1007·5	— 5·7	284·5	293·0	2nd	276·9	273·0	5th	280·7	..	—0·7	99	+ 18
1372	Christchurch	43 31	172 39	7·6	..	1008·1	— 6·9	285·1	291·8	3rd	276·2	269·7	21st	280·6	..	—1·2	112	+ 45
	Wellington	41 16 S.	174 46 E.	2·4	..	1008·5	— 6·4	286·5	290·0	5th	280·1	272·3	21st	283·3	..	—1·2	58	— 61
		° ′	° ′		mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

MAY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	991·9	998·6	— 1·8	279·9	284·5	3rd	276·0	271·4	sev. dates	277·9	*278·1*	—0·4	156	— 88
1422	Puerto de Punta Arenas	53 10	70 54	4	998·3	998·8	— 3·0	278·9	288·5	4th	273·3	268·2	29th	276·1	*276·5*	—0·3	50	— 3
1423	Punta Dungeness	52 24	68 26	5	997·9	998·5	— 2·0	281·6	285·0	3rd, 4th	275·3	270·3	28th	278·5	*277·9*	—0·3	10	— 7
1424	Santa Cruz	50 11	68 21	12	1000·1	1001·6	— 2·7	281·5	293·2	4th	274·5	266·0	30th	278·0	278·0	0·0	12	— 2
1424*a*	Año Nuevo	54 39	64 8	50	991·0	997·1	— 2·0	278·6	286·4	1st	273·9	268·2	29th	276·3	276·1	—0·6	57	+ 4
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	70	— 5
1426	Cape Pembroke	51 41	57 42	21	..	1000·8	— 0·2	279·9	286·3	4th	274·4	270·2	29th, 30th	277·2	277·6	—0·1	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	995·7	996·2	+ 1·2	275·8	282·2	3rd	269·7	263·5	20th	272·7	*272·9*	—1·0	129	— 22

MAY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	990·3	991·2	— 1·7	270·2	275·1	2nd	263·5	249·2	18th	266·9	267·2	+1·5	36	+ 3
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MAY 1920.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	17½h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	S	8·8	Calm	NNW 1 WSW 2	NE 1 SE 1	E 2	Calm 0	NE 3 NE 3	SW 3
2	SSE	6·7	Calm	NNW 1 SW 1	SE 1 S 2	E 1	SE 2	ENE 3 ENE 3	Calm 0
3	SSE	3·2	Calm	SW 1 SW 2	E 1 SE 1	E 1	SE 4	ENE 3 ENE 3	Calm 0
4	S	3·8	Calm	NW 1 SW 2	E 1 SSE 2	E 1	SE 4	NE 3 Calm 0	Calm 0
5	S	5·6	SE	NE 1 Calm 0	E 1 S 1	NE 1	SE 2	ENE 2 E 2	Calm 0
6	SSE	7·8	SE	NE 1 SW 2	E 1 W 2	—	Calm 0	E 3 NNE 4	SE 4
7	S	10·3	E	NE 2 Calm 0	Calm 0 SE 2	ENE 1	SE 2	NNE 4 NE 4	SE 4
8	S	9·3	NE	NNE 1 SW 2	S 1 SE 1	ENE 2	SE 4	NE 3 NE 3	E 2
9	SSE	8·6	NE	NE 1 SW 2	E 1 E 2	E 3	Calm 0	NE 3 NE 2	Calm 0
10	SSE	6·2	NE	Calm 0 SW 1	E 1 S 2	ENE 1	Calm 0	SW 3 N 1	Calm 0
11	SSE	5·7	NE	W 2 SW 2	SW 1 E 2	NE 1	Calm 0	NE 1 NE 1	Calm 0
12	S	4·3	NE	NE 1 SW 1	S 1 S 1	ESE 1	Calm 0	E 2 NNW 1	Calm 0
13	SSE	3·8	NE	Calm 0 SW 1	S 1 SW 2	Calm 0	Calm 0	NW 3 NNW 2	Calm 0
14	Calm	—	NE	NW 1 SW 2	S 1 SE 2	SE 1	Calm 0	NNW 3 N 2	E 2
15	Calm	—	NE	NE 2 SW 2	S 2 SE 2	SE 1	SE 4	NNE 4 ENE 1	SE 2
16	S	2·3	Calm	Calm 0 W 1	SW 2 S 1	NE 1	Calm 0	E 3 ENE 4	Calm 0
17	Calm	2·7	Calm	Calm 0 WSW 2	SE 2 SW 1	NE 1	Calm 0	E 3 E 1	SE 2
18	Calm	1·5	NE	NNE 3 SW 3	SW 1 W 1	NE 1	Calm 0	ENE 1 NW 1	Calm 0
19	Calm	—	NE	NNW 2 SW 1	S 1 SW 2	ESE 1	Calm 0	WSW 6 W 2	Calm 0
20	Calm	—	NE	SW 3 SW 1	Calm 0 W 1	E 2	NW 2	WSW 2 W 2	Calm 0
21	SE	4·5	NE	SW 3 SW 3	S 1 SE 1	N 1	NW 2	WSW 3 W 2	Calm 0
22	SSE	4·8	NE	SW 4 SW 3	E 1 Calm 0	Calm 0	NW 2	NNW 2 W 3	SE 2
23	SE	6·1	NE	NE 1 SW 4	SE 1 S 1	E 1	Calm 0	SSE 3 Calm 0	SE 2
24	SE	5·4	NE	SW 2 Calm 0	SE 1 SE 1	ENE 2	SE 4	Calm 0 S 1	SE 2
25	SE	5·8	NE	Calm 0 SW 3	E 1 S 1	ESE 2	SE 4	NE 3 ENE 2	Calm 0
26	SE	7·8	NE	SW 1 SW 3	W 1 S 1	E 1	Calm 0	NE 3 NE 2	SE 1
27	ESE	6·3	E	SW 1 SW 4	SW 1 S 2	SE 2	SE 2	E 3 E 3	SE 1
28	ESE	7·7	E	SW 4 SW 4	W 1 NE 1	—	Calm 0	ENE 3 E 3	SE 2
29	SE	5·9	E	SW 3 SW 2	N 1 SW 1	E 2	Calm 0	ENE 3 ENE 2	Calm 0
30	ESE	6·2	E	SW 3 SW 2	NE 1 N 1	E 3	Calm 0	E 3 E 2	SE 2
31	SE	6·2	E	Calm 0 SW 1	SE 1 S 1	SE 1	SE 2	E 3 E 2	SE 2
Mean	..	5·8	..	1·5 1·9	1·0 1·4	1·3	1·3	2·8 2·1	1·2
§Resultant	155° (73)	..	60° (71)	240° (46)	160° (49)	85° (76)	135° (26)	50° (49)	135° (40)
§Normal	139° (86)	6·0	‖84° (73)	275° (18)	240° (42)	83° (79)	120° (73)	105° (56)	102° (50)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at ? 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MAY 1920.

‡‡ *Barents Sea.*—A little scattered ice was observed round Cape Kanin but otherwise the sea was free of ice to the west coast of Novaya Zemlya. From Nordenskiold Bay the edge trended westwards irregularly to about South Cape. The area covered was 570×10^3 sq. km. compared with a normal of 981×10^3 sq. km.

‡‡ *Spitsbergen.*—A narrow belt of ice extended from South Cape to Prince Charles Foreland but from there to Danes Island the sea was free of ice. Bell Sound and King's Bay were free of ice, but Green Harbour, Advent Bay and other inner bays had firm ice.

‡‡ *Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 7 days visible and 1 day heavy.

‡‡ *Greenland Sea and Denmark Strait.*—An edge of ice was met with in 5° W. from 77° N., where it was heavy and close, to 74° N. where it was scattered. A strong current was running west-south-west along the edge. Off Angmagsalik there was ice everywhere. The area covered was 927×10^3 sq. km. compared with a normal of 1062×10^3 sq. km.

‡‡ *N. Atlantic and Labrador.*—Two hundred and eleven icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal, which reaches a maximum in May, being one hundred and forty-seven; the southmost occurred in 40° N. the eastmost in 42° W.

‡‡ *Davis Strait and Baffin Bay.*—An edge of close ice was met with about 60 miles south of Cape Farewell. There was much ice in Julianehaab Bay, and a belt of closely packed ice with a scattered ice edge extended from there, passed the parallel of Frederikshaab, where from the 1st to the 6th the ice approached to within 10 miles offshore. Icebergs were numerous here, and also from Fiskernæs to Egedesminde several icebergs were observed but no ice.

‡‡ *Smith Sound.*—The sea was open along the coast from Cape York to past Etah while there was firm ice in Inglefield Bay and Peabody Bay.

‡‡ *Bering Sea.*—On the 15th a little scattered ice occurred off Ugashik, otherwise Bristol Bay, was free of ice. The ice edge was met with on the parallel of Cape Navarin between 174° and 178° W. The whalers worked north through narrow lanes in the ice until at 63° N. they met an edge of vast icefields.

‡‡ *Isforholdene i de Arktiske Have*, 1920, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JUNE 1920.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JUNE 1920 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

JUNE—ZONE 1. Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3	Upernivik	72 47	W56 7	18·9	1010·0	1012·3	+ 0·3	279·3	286·8	9th	271·7	269·0	7th, 13th	275·5	*275·0*	+0·3	0	— 13
4	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1010·9	1012·3	— 0·6	..	280·0	29th	272·2	265·1	7th	..	274·5	—0·2	12	— 1
5	Björnöen	74 28	19 15	40·5	1004·6	1009·6	..	..	..	..	..	..	..	..	*276·1*	..	23	..
6	Gjesvaer	71 6	25 22	6·5	1011·6	1012·4	— 0·8	..	294·0	30th	277·4	272·7	6th	..	*280·5*	+0·7	76	+ 39
7	Mehavn	71 1	27 47	6·4	1011·2	1012·0	— 1·2	..	294·7	22nd	278·1	272·4	7th	..	*280·5*	+1·4	29	— 14
8	Vardö	70 22	31 8	10·0	1011·0	1012·2	— 1·2	..	292·4	24th	278·2	273·3	5th	..	*280·1*	+1·4	17	— 21
9	Malye Karmakouly	72 23	52 43	14·8	?1008·7	?1010·5	— 1·0	?279·0	?288·5	30th	?274·8	?270·2	7th	?277·4	*?277·0*	+3·1	..	..
10	Waigatz	70 24	58 47	11·2	..	..	..	279·8	290·9	28th	274·1	271·3	20th	277·0	*276·5*	..	26	..

JUNE—ZONE 2. Between Latitude 70° N. and 60° N.

	Nome	64 30	165 24	6·7	..	1010·8	— 0·7	285·8	296·3	25th	275·8	271·3	14th	280·8	*281·2*	+0·7	0	— 30
	Candle	65 55	161 57	2·4	..	..	..	291·1	297·4	25th	273·9	269·7	2nd	282·5	..	..	4	..
	Tanana	65 10	152 6	67·1	..	1009·1	— 3·3	294·1	298·6	14, 15, 24	278·9	274·7	2nd	286·5	*287·7*	+0·2	13	— 14
	Rampart	65 30	150 15	122	..	..	..	294·8	299·7	24th, 25th	279·4	274·7	10th	287·1	..	..	19	— 4
	Valdez	61 7	146 16	8·2	..	1012·5	— 2·9	287·1	293·6	3rd	278·4	273·6	17th	282·7	*283·2*	—1·0	62	+ 11
	Eagle	64 46	141 12	254	..	1008·1	— 2·2	295·1	300·2	25th	277·9	271·9	20th	286·5	..	+0·4	23	— 14
	Dawson	64 4	139 20	328	969·0	1007·3	— 5·2	296·9	301·3	25th	278·0	272·4	20th	287·4	..	+0·5	32	+ 4
	Carcross	60 11	134 34	662	..	..	..	290·6	296·3	15th	275·9	270·2	14th	283·3	..	0·0	32	+ 17
	Fort Good Hope	66 25	128 53	65·2	1003·9	1011·8	..	290·8	296·9	14, 16, 21	277·4	268·6	3rd	284·1	..	..	24	+ 14
	Fort Simpson	61 52	121 35	129	995·4	1011·0	..	290·8	299·1	13th	278·6	269·1	4th	284·7	..	—1·4	39	— 7
	Hay River	60 51	115 20	161	990·8	1009·3	..	286·9	299·1	15th	275·8	266·9	8th	281·3	..	—1·7	41	..
	Jacobshavn	69 13	51 2	12·6	1009·5	1011·0	0·0	281·6	288·5	5th	275·6	271·5	1st	278·6	*279·1*	+1·4	11	— 10
	Godthaab	64 11	51 43	9·0	1006·4	1007·5	— 2·0	284·5	290·2	15th	274·3	270·6	2nd	279·4	*278·6*	+1·2	..	..
	Ivigtut	61 12	48 10	5·0	1007·9	1008·5	— 1·1	286·1	292·4	14th	278·0	274·3	27th	282·1	*280·9*	—0·2	54	— 23
	Angmagsalik	65 37	37 33	31·7	1009·1	1013·0	— 0·2	282·7	288·5	28th	274·2	269·9	17th	278·5	*278·2*	+0·3	38	— 15
	Stykkisholm	65 5	22 46	11·3	1011·1	1012·5	+ 1·3	286·9	290·2	8th, 13th	280·4	277·0	1st	283·7	*282·3*	+1·5	11	— 28
	Vestmanno	63 26	20 15	7·7	1010·4	1011·3	— 0·7	283·2	290·3	30th	279·9	276·6	29th	283·3	*283·1*	+1·0	48	— 35
	Grimsey	66 33	17 58	22·0	1011·0	1013·7	+ 1·1	283·2	292·1	10th	..	..	..	..	*279·6*	+1·1	..	..
	Berufiord	64 40	14 19	18·0	1011·6	1013·8	+ 1·5	286·5	293·1	8th	278·3	275·6	7th	282·4	*281·6*	+1·3	36	— 29
	Thorshavn	62 3	6 45	26·3	1011·9	1015·1	+ 1·1	285·9	290·6	16th	279·8	273·8	4th	282·9	*282·7*	+0·6	55	— 11
	Lerwick	60 9	W 1 8	18·0	1014·5	1016·6	+ 2·6	286·0	290·2	15th	280·3	275·8	11th	283·2	*283·7*	+0·4	19	— 26
	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1009·8	1015·2	+ 1·3	289·7	298·0	14th	282·6	278·3	6th	286·1	*286·1*	+0·2	114	+ 25
	Christiansund	63 7	7 45	5·7	1015·2	1015·9	+ 2·0	289·0	302·2	20th	280·9	275·0	8th	284·9	*284·7*	—0·2	122	+ 71
	Trondhjem	63 26	10 25	39·5	1010·6	1015·4	+ 2·0	..	300·1	20th	282·1	274·5	7th	..	*283·8*	—0·4	64	+ 18
	Bodö	67 17	14 24	22·4	1011·6	1014·3	+ 0·4	..	296·8	21st	279·8	273·0	6th	..	*282·3*	—0·6	57	+ 4
	Haparanda	65 50	24 9	9·2	1009·9	1011·0	— 1·4	289·4	300·0	23rd, 24th	280·3	273·0	5th	284·9	*284·8*	+0·1	26	— 8
	Helsingfors	60 10	24 57	11·7	1010·2	1011·6	— 1·2	291·4	300·5	22nd	283·1	277·6	10th	287·2	*287·4*	+0·5	43	— 1
	Kuopio	62 54	27 40	90·3	999·5	1010·3	— 2·7	291·8	301·0	22nd	283·0	277·2	12th	287·4	*287·6*	+1·3	45	— 9
	Kola	68 53	33 1	6·7	1011·1	1011·9	— 0·4	288·8	301·2	24th	279·8	272·8	7th	284·3	*284·5*	+2·7	73	+ 45
	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Arkhangelsk	64 35	40 36	6·2	1010·0	1010·7	— 1·3	291·5	301·0	30th	282·1	276·2	6th	286·8	*286·8*	+1·9	99	+ 54
	Mezen	65 50	44 16	12·6	1009·8	1011·3	— 0·8	290·6	301·4	26th	280·2	272·8	14th	285·4	*285·8*	+3·8	73	+ 38
	Oust-Tsyima	65 25	52 14	? 70	1003·1	1011·5	+ 0·3	291·0	301·0	29th	281·7	273·4	15th	286·4	*286·7*	+3·7	87	..
	Tcherdyn	60 24	56 31	?177	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Berezov	63 56	65 4	39·9	1010·8	1015·6	+ 4·4	..	299·4	7th	283·9	276·7	1st, 23rd	..	*289·0*	+5·9	56	+ 4
	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Sourgout	61 15	73 24	? 40	1008·7	1013·4	+ 3·9	..	304·4	13th	282·7	271·8	1st	..	*290·2*	+5·5	57	— 7
	Doudinka	69 23	86 4	20	1010·8	1013·3	+ 3·8	..	281·6	22nd	272·4	262·8	4th	..	*274·8*	..	24	..
	Touroukhansk	65 47	87 57	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Viliouisk	63 45	121 35	?120	1000·2	1014·7	..	..	304·3	27th	279·0	271·4	1st	..	*284·5*	—2·8	16	— 16
	Iakoutsk	62 1	129 43	108	995·0	1007·9	+ 0·4	..	303·7	29th	279·3	268·5	3rd	..	*286·1*	—1·8	37	— 1
	Verkhoïansk	67 33	133 23	100	991·5	1003·4	— 1·0	..	307·2	29th	279·0	271·2	2nd	..	*285·3*	—0·3	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1009·5	— 3·2	..	..	..	..	..	..	..	‡277·7	..	..	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1009·5	— 5·7	283·6	294·1	21st	278·0	275·8	5th	280·8	..	+0·3	212	+139
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	290·6	296·3	5th	279·4	274·7	1st, 7th	285·0	..	..	99	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1009·5	— 4·6	‡284·8	292·4	6th	‡279·7	277·4	8, 13, 20	‡282·2	..	..	151	+ 43
309	Sitka	57 3	135 19	27·4	..	1013·5	— 3·1	286·4	292·4	2nd	279·8	277·4	sev. dates	283·1	*283·3*	—0·5	70	— 3
310	Prince Rupert	54 18	130 18	51·8	1011·0	1017·3	+ 0·7	286·3	293·0	13th	280·8	277·4	18th, 22nd	283·6	*283·4*	—1·3	155	+ 57
311	Barkerville	53 2	121 35	1274	867·9	1013·9	+ 0·5	286·9	295·2	29th	274·7	271·9	1, 13, 23	280·8	*280·3*	—2·3	122	+ 30
312	Kamloops	50 42	120 29	385	972·2	1017·0	+ 1·1	296·3	307·4	30th	283·0	277·4	2nd	289·7	*289·5*	—1·4	16	— 15
313	Calgary	51 2	114 2	1045	892·3	1011·1	+ 0·6	294·7	303·0	30th	278·0	271·9	3rd	286·3	*285·7*	0·0	34	— 40
314	Fort Chipewyan	58 42	111 10	218	983·9	1010·0	..	290·2	298·6	18th, 22nd	278·6	269·1	1st	284·4	*285·2*	—0·8	23	+ 24
315	Prince Albert	53 10	105 38	442	960·6	1012·2	+ 3·2	294·7	300·8	23rd	280·2	273·0	2nd	287·4	*287·2*	—0·1	92	+ 46
316	Qu'Appelle	50 30	103 47	045	937·2	1011·1	— 0·2	295·2	301·3	30th	280·8	274·1	3rd	288·0	*287·8*	—0·3	38	— 22
317	Minnedosa	50 15	99 50	515	953·2	1012·6	+ 1·1	295·8	303·0	13th	281·9	275·2	5th	288·8	*288·6*	+0·3	57	+ 5
318	Berens River	52 18	97 23	216	..	..	..	292·2	297·4	13th, 30th	278·9	273·0	3rd, 7th	285·6	..	—1·5	45	+ 22
318*a*	Port Nelson	57 4	92 36	14·9	1013·5	1015·3	+ 2·0	285·8	299·7	25th	275·2	266·3	5th	280·5	..	+1·4	44	..
319	Fort Hope	51 33	87 49	‡260	983·7	1014·4	..	294·1	302·4	25th	280·2	271·9	3rd	287·2	*287·6*	+1·8	27	..
320	Moose Factory	51 14	80 30	9·1	1012·3	1013·4	— 0·8	292·4	302·4	27th	279·1	273·0	4th	285·8	..	+0·2	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	289·2	300·8	7th	277·4	271·9	3rd	283·3	*283·2*	..	12	+ 14
322	Mistassini Post	50 15	73 55	383	..	..	..	293·4	299·7	27th	278·9	271·9	4th	286·2	..	+1·3	50	..
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	289·1	293·0	28th	279·0	273·0	3rd	284·1	..	+1·6	30	— 47
326	Belle Isle	51 53	55 23	133	..	..	..	..	..	..	..	..	..	..	..	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1013·3	1015·0	— 1·0	289·6	292·4	2nd	283·6	279·7	7th	286·6	286·6	—0·2	78	— 33
335	Aberdeen	57 10	W 2 6	20·8	1013·8	1017·1	+ 2·2	287·7	293·0	21st	282·0	276·9	8th	284·9	284·8	+0·3	20	— 7
336	Greenwich	51 28	0 0	46·3	1011·9	1017·4	+ 1·3	294·7	299·1	2nd	283·1	275·8	7th	288·9	288·4	+0·4	44	— 19
337	Uccle	50 48	E 4 22	100	1005·6	1017·5	+ 1·3	295·0	301·0	29th	283·6	277·8	8th, 9th	289·3	288·5	+0·2	50	— 44
338	De Bilt	52 6	5 11	3·0	1016·5	1016·9	+ 1·1	294·3	300·4	13th	283·4	277·6	9th	288·9	288·8	+0·3	26	— 25
338*a*	Hamburg	53 33	9 58	26·0	1013·1	1016·3	+ 1·3	292·3	297·5	17th	284·4	279·1	8th	288·3	*288·4*	—0·5	45	— 15
339	Copenhagen	55 41	12 36	5·0	1014·7	1015·3	+ 1·1	290·3	296·1	21st	284·4	279·7	8th	287·3	*287·5*	—0·6	37	— 7
340	Potsdam	52 23	13 4	84·9	1005·5	1015·7	+ 0·7	293·8	301·3	30th	283·3	278·2	8th	288·5	288·1	—1·1	32	— 15
340*a*	Uppsala	59 51	17 38	24	1010·0	1012·9	— 0·1	292·6	301·7	23rd	279·9	272·3	9th	286·3	286·7	—0·3	55	+ 5
341	Warsaw	52 13	21 1	133	999·2	1015·0	+ 0·9	293·5	300·5	22nd	283·7	277·5	9th	288·6	288·8	—1·9	51	+ 25
342	Dorpat (Jurjev)	58 23	26 43	74·5	1003·7	1012·6	— 0·1	292·2	298·6	22nd	282·2	276·5	13th	287·2	286·9	—1·1	83	..
343	Petrograd	59 56	30 16	4·8	1010·7	1011·3	— 1·1	291·6	300·0	1st	283·8	279·2	11th	287·7	*287·6*	—0·1	47	+ 29
344	Kiev	50 27	30 30	183	992·0	1013·7	+ 1·3	293·8	298·8	1st	284·7	279·6	9th	289·2	*288·5*	—2·4	90	+ 38
344*a*	Moscow	55 50	37 33	167	992·3	1012·1	— 0·1	293·0	298·3	1st	282·3	277·4	13th, 15th	287·6	*287·8*	—1·5	90	+ 1
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	59	+ 1
346	Kazan	55 47	49 8	79·9	1002·2	1011·6	+ 1·7	297·6	307·2	11th	285·4	279·8	26th	291·5	*290·9*	+0·7	44	+ 3
347	Orenburg	51 45	55 6	109	997·6	1010·3	+ 1·1	300·8	308·7	13th	287·1	279·0	1st	294·0	*293·9*	+2·2	44	+ 3
348	Perm	58 1	56 16	159	992·7	1011·3	+ 2·1	..	305·9	9th	285·3	278·3	21st	..	*291·1*	+2·9	70	..
349	Ekaterinburg	56 50	60 38	281	979·0	1011·5	+ 1·2	298·1	307·2	13th, 15th	284·2	278·4	4th	291·2	*292·0*	+4·5	62	+ 23
350	Tobolsk	58 12	68 14	‡108	1000·7	1013·3	+ 2·6	..	305·9	14th	286·8	279·6	22nd	..	*292·3*	+4·5	82	..
351	Akmolinsk	51 12	71 23	‡347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	992·0	1010·8	+ 0·6	..	305·5	1st	285·6	279·6	29th	..	*293·3*	+3·5	7	+ 41
354	Tomsk	56 30	84 58	122	996·8	1011·2	+ 2·1	..	295·8	19th	283·4	278·7	29th	..	*289·7*	+2·1	24	..
355	Minousinsk	53 43	91 41	249	981·2	1010·0	— 0·6	..	305·2	20th	283·9	278·9	13th	..	*291·4*	..	14	— 10
356	Eniseisk	58 27	92 10	77·6	1001·4	1010·7	+ 1·0	..	298·8	14th	279·8	273·7	13th	..	*287·6*	—0·3	72	+ 44
357	Irkutsk	52 16	104 19	467	954·7	1009·1	— 0·3	..	299·2	1st	279·2	272·3	18th	..	*286·2*	—1·4	99	+ 67
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	674	926·0	1003·4	— 2·5	..	304·4	1st	280·3	274·2	3rd	..	*287·3*	—1·5	113	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	960·7	1004·9	..	293·3	298·5	13th, 14th	278·2	268·6	4th	285·8	*286·6*	..	128	+ 82
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	987·0	1003·6	— 1·2	295·2	305·2	1st	283·6	277·1	9th	289·4	*289·1*	—1·2	156	..
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1010·6	1012·2	+ 0·8	..	..	..	278·2	274·5	2nd	..	*281·7*	..	36	..
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·1	1016·6	— 0·3	290·8	298·6	3rd	281·9	279·1	1st	286·3	*285·7*	—0·3	26	+ 2
412	Portland, Oregon	45 32	122 41	46·6	1011·9	1017·3	+ 0·2	295·1	303·6	3rd	284·3	279·1	23rd	289·7	*289·7*	+0·4	54	+ 11
413	Macleod	49 44	113 24	953	..	..	..	294·1	303·6	30th	280·2	272·4	10th	287·1	287·3	0·0	17	— 54
414	Helena	46 34	112 4	1253	873·0	1013·2	+ 0·9	294·2	300·2	7th	280·7	274·1	1st	287·4	*287·0*	—1·2	51	— 11
415	Salt Lake City	40 46	111 54	1329	865·5	1010·8	— 0·1	290·3	304·1	22nd	286·7	277·4	1st	288·5	*288·6*	—1·5	18	— 20
416	Cheyenne	41 8	104 48	1856	814·0	1012·5	+ 2·3	294·7	301·9	8th	281·8	274·7	1st	288·2	*287·9*	—1·5	18	— 20
417	North Platte	41 8	100 45	859	916·6	1014·2	+ 2·5	299·4	308·0	11th	287·0	279·1	4th	293·2	*292·8*	—0·4	60	— 22
418	Bismarck	46 47	100 38	511	955·4	1014·9	+ 2·6	297·4	304·7	13th	284·6	276·3	2nd	291·0	*290·7*	—0·2	52	— 39
419	Winnipeg	49 53	97 7	232	986·1	1013·3	+ 0·8	296·0	301·9	12, 13, 30	283·6	276·9	3rd	290·2	*290·3*	+0·4	86	+ 3
420	Duluth	46 47	92 6	345	974·3	1015·2	+ 1·5	292·2	301·3	9th	282·6	277·4	3rd	287·4	*287·5*	+0·5	144	+ 49
421	Port Arthur	48 27	89 12	196	992·0	1015·3	+ 1·2	293·0	301·9	29th	281·9	274·7	3rd	287·4	*287·6*	+0·7	147	+ 79
422	Chicago	41 53	87 37	251	986·2	1015·9	+ 1·3	297·8	308·0	28th	289·4	283·6	17th	293·6	*293·3*	+1·3	100	+ 12
423	Toronto	43 40	79 24	116	1001·0	1014·7	+ 0·4	297·4	306·9	10th	285·8	280·8	19th, 23rd	291·6	291·4	+1·6	73	+ 3
424	New York (Central Park)	40 47	73 58	47·4	1009·1	1012·6	— 1·7	299·1	307·4	11th	288·2	283·0	5th	293·7	293·2	—0·9	128	+ 42
425	St. John, N.B.	45 17	66 4	36·2	1008·6	1013·0	— 0·9	290·8	296·9	26th, 27th	281·9	279·1	10th	286·3	285·8	—0·3	82	— 1
426	S.W. Point, Anticosti	49 24	63 35	9·1	1010·8	1011·9	+ 0·2	286·3	291·9	28th	280·8	276·9	6th	283·6	*283·8*	+1·1	37	+ 22
426*a*	Sable Island (Main Station)	43 57	60 6	7·6	1013·9	1014·8	— 0·6	285·8	291·3	30th	280·8	279·1	2nd, 17th	283·3	*283·0*	—0·2	77	— 10
425	Port aux Basques	47 35	59 10	9·1	1011·5	1012·6	— 1·6	286·3	293·0	21st	279·7	275·8	10th, 16th	283·0	*282·9*	+1·1	91	— 18
426	St. John's, Newfoundland	47 34	52 42	38·1	1006·3	1010·9	— 1·2	289·7	299·7	25th	278·0	271·9	9th	283·8	*283·6*	+1·0	30	— 60
427	Madrid	40 24	3 41	667	939·4	1014·3	— 1·3	300·4	309·6	23rd	287·9	282·1	17th	294·2	*293·5*	+1·9	16	— 26
428	Nantes	47 15	W 1 34	36·5	1012·6	1017·0	— 0·4	294·0	299·1	25th	284·0	278·1	6th	289·0	289·0	—0·8	51	— 5
429	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·7	1017·7	+ 0·7	294·9	302·3	29th	283·9	278·0	6th, 8th	289·4	289·4	—0·1	43	— 12
430	Marseille	43 18	5 23	75	..	1013·3	— 1·7	298·9	304·8	27th	287·3	280·7	6th	293·1	*292·8*	0·0	19	— 26
431	Zurich	47 23	8 33	493	959·3	1016·4	— 0·8	295·1	302·3	29th	283·9	279·3	8th	289·5	288·7	—0·9	68	— 67
432	Rome	41 54	12 27	50·6	1007·2	1013·1	— 2·3	300·1	305·6	30th	289·3	284·6	6th	294·7	*294·9*	+0·1	40	— 1
433	Vienna	48 15	16 22	203	991·1	1015·0	+ 0·3	292·3	298·8	30th	285·7	281·0	8th	289·0	288·8	—1·9	105	+ 34
434	Budapest	47 31	19 2	130	998·6	1013·9	0·0	296·2	303·5	30th	286·1	280·3	8th	291·2	*290·8*	—1·0	76	+ 5
435	Sofia	42 42	23 20	550	950·6	1013·3	+ 0·2	296·8	301·7	30th	286·0	281·3	7th	291·4	*291·1*	—0·1	124	+ 51
436	Bucharest	44 25	26 5	82	1003·4	1013·0	0·0	299·1	303·8	28th	287·5	282·7	8th	293·3	292·9	—0·6	78	— 11
437	Odessa (University)	46 26	30 46	42·8	1007·6	1012·6	— 0·1	296·5	300·0	21st	288·1	285·0	26th	292·3	*291·7*	—1·2	61	+ 5
438	Kharkov (University)	50 0	36 14	140	995·9	1012·3	+ 0·3	296·5	302·2	11th	285·6	280·4	15th	291·0	*290·5*	—0·3	100	+ 36
439	Novorossiisk	44 44	37 49	37·1	1007·6	1011·9	— 1·3	298·3	303·0	22nd	289·2	284·6	1st	293·8	*293·9*	+1·2	55	— 7
440	Tiflis	41 43	44 48	404	966·3	1012·4	0·0	300·8	306·6	22nd	288·2	282·6	4th	294·5	*293·9*	—0·4	93	+ 21
441	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
442	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
443	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
444	Aralskoe More	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
445	Tachkent	41 20	69 18	478	953·5	1006·9	— 0·6	305·2	310·3	25th	291·1	285·3	9th	298·2	*297·3*	—0·1	28	+ 16
446	Narynskoe	41 26	76 2	?2015	795·1	1006·9	..	..	296·6	1st	280·2	275·9	10th	..	*285·0*	—2·4	99	..
447	Vernyi	43 16	76 53	841	..	..	..	299·8	306·1	25th	288·8	283·4	8th	294·3	*293·9*	..	60	..
448	Moukden	41 48	123 23	43·8	998·9	1004·0	— 0·3	302·0	312·3	30th	288·3	281·2	5th	295·1	294·9	+0·5	31	— 52
449	Joshin	40 40	129 11	31·9	1002·8	1006·6	+ 0·1	294·0	299·8	17th	286·3	281·2	3rd	290·1	289·6	+1·0	53	— 6
450	Yuki	42 20	130 24	65·6	998·6	1006·4	— 0·8	292·8	301·4	6th	285·3	281·1	6th	289·1	288·9	+1·4	55	— 22
451	Vladivostok	43 7	131 55	128	991·5	1006·7	— 1·6	290·7	296·4	7th	284·5	281·6	1st	287·6	287·0	+0·1	132	+ 62
452	Ochiai	47 20	142 46	6·6	1007·3	1008·1	— 1·0	288·9	297·7	19th	280·4	276·3	9th	284·7	284·5	+1·0	102	+ 14
453	Nemuro	43 20	145 35	26·7	1006·7	1009·9	— 0·2	288·4	296·3	18th	281·1	278·0	2nd	284·7	284·1	+1·2	134	+ 38
454	Syana	45 14	147 53	39·3	1005·6	1010·4	+ 0·2	288·6	295·9	4th	279·9	272·9	13th	284·3	284·0	+1·7	65	+ 4
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 40° N. and 30° N.

JUNE—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		N.	W.															
461	San Francisco	37 48	122 26	47·2	1008·0	1013·9	— 0·6	292·8	306·3	19th	284·4	282·4	5th	288·6	*287·9*	+0·8	1	— 4
462	San Luis Obispo	35 18	120 39	61·3	1007·0	1014·5	0·0	296·0	310·2	19th	283·2	277·4	10th	289·6	*287·9*	—0·9	1	— 2
463	San Diego	32 43	117 10	26·5	1010·1	1013·2	+ 0·3	292·9	294·7	9th	288·2	286·9	12th	290·6	*290·3*	—0·4	1	0
464	Modena	37 48	113 54	1670	832·3	1010·1	+ 0·4	298·8	304·7	22nd	280·6	276·3	12th	289·7	*289·5*	—0·7	15	+ 7
465	Santa Fé	35 41	105 57	2138	788·8	1009·8	+ 0·4	297·3	301·3	24th	283·8	280·2	20th	290·6	*290·6*	—1·4	52	+ 25
466	Denver	39 45	105 0	1613	838·1	1012·8	+ 2·1	298·2	305·2	24th	285·3	279·7	1st	291·7	*291·0*	—1·1	17	— 18
467	Abilene	32 23	99 40	530	953·7	1013·5	+ 1·8	304·3	308·0	17th	292·1	288·6	19th	298·2	*298·2*	—0·5	45	— 22
468	Saint Louis	38 38	90 12	173	995·4	1015·6	+ 1·3	301·9	307·4	16th	292·2	286·9	18th	297·0	*296·8*	—0·1	39	— 68
469	Mobile	30 41	88 2	17·4	1014·1	1016·2	+ 1·0	304·2	309·7	14th	294·9	291·3	7th	299·6	*299·0*	—0·2	169	+ 28
470	Nashville	36 10	86 47	166	997·6	1016·9	+ 1·5	301·4	306·9	15th	291·0	286·3	21st	296·2	*296·4*	—1·3	97	— 11
471	Charleston	32 47	79 56	14·6	1015·0	1016·6	+ 0·4	302·7	309·1	17th	294·8	290·2	9th	298·8	*298·5*	—0·3	62	— 66
472	Washington	38 54	77 3	34·1	1011·2	1015·2	— 0·2	300·7	308·0	11th	289·3	285·2	10th	295·0	*294·6*	—1·0	122	+ 14
473	Bermuda	32 17	64 46	46·0	1014·7	1020·1	+ 1·1	298·6	300·8	21, 24, 26	293·6	290·2	2nd	296·1	*295·9*	—1·5	37	— 72
474	Santa Cruz (Flores)	39 27	31 9	28	1019·9	1023·0	— 2·8	295·1	297·7	17th	289·3	285·1	8th	292·2	*292·3*	—0·2	41	— 32
475	Horta	38 32	28 38	65	1016·1	1023·3	— 0·9	294·3	298·0	24th, 28th	289·3	286·6	7th, 8th	291·8	292·1	0·0	54	— 8
476	Ponta Delgada	37 44	25 40	22	1021·4	1023·2	— 0·3	294·3	298·2	27th	289·7	287·5	6th, 8th	292·0	292·6	+0·9	..	..
477	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	14	— 40
478	Madeira (Funchal)	32 37	16 54	25	‡1017·1	‡1020·1	— 0·7	295·0	297·8	27th	290·8	288·5	1st	292·9	*293·0*	+0·5	0	— 9
479	Lisbon	38 43	9 9	95	1006·0	1017·1	— 0·5	297·4	307·6	23rd	289·8	286·8	7th	293·6	*293·1*	+1·1	2	— 18
480	Gibraltar	36 6	5 21	16·2	1014·6	1016·5	— 1·1	298·8	302·5	23rd	290·6	286·8	13th	294·7	*293·9*	+0·3	0	— 12
481	Melilla	35 18	2 59	8	1015·5	1016·4	— 2·3	300·7	..	..	290·9	..	..	295·8	*296·8*	+0·1	0	— 6
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

JUNE—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1012·3	1015·0	— 1·7	300·2	304·8	24th	290·6	286·8	9th	295·4	..	+0·5	34	+ 15
538	Algiers (Bouzaréah)	36 48	3 2	343	975·6	1014·8	— 1·2	298·4	309·1	27th	290·2	287·5	8th	294·3	293·8	+0·9	23	+ 1
539	Tunis	36 48	10 10	21	1013·9	1016·4	..	301·6	310·4	17th	290·5	286·0	7th	296·0	*295·4*	+0·2	14	+ 1
539*a*	Malta	35 54	14 31	56·4	..	1014·9	— 1·1	298·9	303·7	30th	293·1	291·3	2nd	296·0	*295·1*	+0·4	3	+ 10
540	Riposto	37 41	15 14	14·2	..	1016·6	— 0·1	298·2	301·0	29th, 30th	292·9	291·2	3rd	295·5	*294·2*	—0·5	17	— 10
541	Athens	37 58	23 43	107	1000·1	1012·4	— 0·1	301·7	307·0	30th	292·2	286·1	2nd	297·0	297·0	+0·1	5	..
542	Alexandria	31 12	29 53	32·0	1008·7	1012·4	— 0·3	301·5	307·3	6th	293·5	291·3	4th	297·5	*297·1*	+0·3	0	..
543	Cairo (Helwan)	29 52	31 20	116	997·5	1010·7	0·0	307·6	314·4	22nd	193·1	290·1	3rd	300·4	300·2	+0·3	0	..
544	Nicosia (P.W.D.)	35 9	33 22	159	991·4	1009·2	+ 0·2	305·3	310·2	20th, 30th	291·6	287·4	1, 2, 3	298·4	..	+0·3	57	+ 44
544*a*	Beirut	33 54	35 28	33·7	..	1010·1	— 0·8	300·9	303·1	22, 29, 30	294·2	291·3	1st	297·6	*297·5*	+0·2	0	+ 4
545	Baghdad	33 21	44 28	38·1	..	1003·3	— 1·0	313·6	319·6	23rd	298·6	292·9	6th	306·1	*304·3*	+0·7	0	..
546	Lenkoran	38 46	48 52	—20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Tehran	35 41	51 25	1220	..	..	..	305·7	311·7	25th	292·3	286·3	7th	299·0	*298·6*	—0·8	2	+ 2
548	Meshed	36 16	59 35	946	..	..	..	304·1	309·9	25th	288·0	284·7	2nd	296·1	..	—0·5	38	+ 30
549	Seistan	31 0	61 30	?	..	..	..	310·1	315·0	29th	292·6	276·7	3rd	301·3	..	..	0	..
550	Quetta	30 11	67 3	1677	827·7	..	— 0·3	305·1	309·1	29th	286·2	283·8	5th	295·7	*295·3*	—1·2	0	..
551	Peshawar	34 2	71 37	339	961·9	998·7	— 0·2	316·0	320·9	27th	295·8	291·4	12th	305·9	*305·7*	—0·2	7	— 43
551*a*	Lahore	31 34	74 20	214	974·7	998·0	— 0·1	313·7	317·1	11th	299·6	294·6	12th	306·7	*306·6*	—0·3	2	— 56
552	Simla	31 7	77 8	2205	777·5	..	— 0·1	294·4	298·2	11th	288·3	284·0	12th	291·4	*291·0*	—1·4	115	— 2
552*a*	Leh	34 10	77 42	3503	665·3	..	— 0·4	292·3	296·4	21st	278·8	275·7	5th	285·6	*285·0*	—1·8	3	— 134
559	Hankow	30 35	114 17	37·0	1000·3	1004·5	— 0·9	303·1	306·6	6th	295·4	291·5	15th	299·3	*299·0*	+0·3	79	— 56
560	Tientsin	39 10	117 10	5·0	1003·8	1004·4	— 0·1	304·0	312·5	28th	292·1	288·3	5th	298·1	*297·5*	+0·3	14	— 46
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1005·1	— 1·2	301·7	306·4	8th	291·6	286·0	4th	296·6	296·0	0·0	139	+ 20
562	Jinsen (Chemulpo)	37 29	126 37	67·6	998·6	1006·4	— 0·5	298·3	304·5	30th	289·9	287·1	6th	294·1	293·2	+0·9	120	+ 29
562*a*	Nagasaki	32 44	129 52	133	991·7	1007·0	— 1·4	297·7	302·6	9th, 10th	290·8	285·9	1st	294·3	293·8	—0·7	346	+ 95
563	Kyoto	35 1	135 44	42·9	1003·1	1008·1	— 0·5	300·7	305·9	30th	290·0	284·8	1st	295·3	294·7	+0·7	295	+ 13
564	Tokyo	35 41	139 45	21·3	1006·7	1009·2	0·0	297·1	302·4	17th	290·0	284·9	1st	293·5	293·3	—0·2	219	— 13
565	Kanayama	37 53	140 46	24·6	1006·6	1009·5	+ 0·3	295·5	303·8	17th	287·2	280·0	1st	291·3	290·9	—0·4	148	— 9
566	Miyako	39 38	141 59	30·4	1005·7	1009·3	— 0·1	294·0	298·7	15th	285·6	280·8	1st	289·8	289·2	+0·4	126	..

JUNE—ZONE 6. Between Latitude 30° N. and 20° N.

601	Midway Island	28 15 N.	177 22 W.	5·8	..	1016·2	— 1·8	..	..	..	293·2	289·7	21st	..	..	..	166	..
605	Honolulu	21 19	157 52	11·6	1015·1	1016·4	— 0·8	301·1	302·4	..	295·6	293·6	..	298·3	*298·1*	+0·5	9	— 19
614	La Paz	24 10	110 20	12	1008·3	1009·6	..	311·5	314·9	23rd	290·6	287·2	19th	301·0	..	..	0	..
615	Chihuahua	28 38	106 4	1423	859·7	1010·3	..	301·2	306·0	19th, 20th	289·2	285·7	5th	295·2	*294·9*	..	79	— 40
616	Leon	21 7	101 41	1809	820·7	1006·0	+ 0·5	300·6	304·0	6th	288·2	286·3	12th	294·4	..	—1·1	69	+ 10
616*a*	Monterry	25 40	100 18	528	953·2	1011·5	..	305·2	308·8	19th	291·8	289·0	26th	298·5	*298·5*	..	18	+ 10
617	Tulancingo	20 5	98 22	2180	792·9	..	..	..	298·0	..	..	283·0	..	..	289·0	—1·6	80	+ 53
618	Galveston	29 18	94 50	16·5	1013·8	1015·9	+ 1·7	302·1	304·7	14th	296·8	293·0	6th	299·4	*299·6*	—0·6	170	+ 63
618*a*	New Orleans	29 57	90 4	16·2	..	1015·9	+ 1·2	304·1	308·6	14th	296·1	293·0	1st	300·1	*299·6*	+0·2	215	+ 63
619	Merida, Yuc.	20 58	89 38	22	1011·1	1013·5	..	305·0	308·2	4th	296·1	294·8	10th	300·5	*299·9*	..	226	— 31
620	Havana	23 8	82 21	24·3	..	1015·8	+ 0·7	303·1	305·2	25th	296·6	294·6	15th	299·9	299·6	+0·1	103	+ 23
620*a*	Key West	24 33	81 48	6·7	1015·1	1015·9	+ 0·4	303·2	304·7	21st	297·7	293·6	29th	300·4	*300·2*	—0·7	87	— 154
621	Nassau, Bahamas	25 5	77 21	3·7	..	‡1017·4	+ 0·6	303·0	304·1	19, 21, 23	?298·8	296·9	12th, 14th	?300·9	*?300·9*	+0·6	15	..
622	Watling Island	24 6	74 26	33·5	1013·3	1017·1	+ 0·3	..	303·6	28th	..	297·4	14th	..	*300·8*	..	..	..
633	Izaña	28 19	16 30	2367	770·7	..	..	291·1	296·7	22nd	282·1	278·8	14th	286·6	*285·8*	..	0	+ 3
634	La Laguna	28 28	W16 20	547	953·0	1016·2	— 1·3	293·7	..	..	286·7	..	..	290·2	*289·7*	—1·1	10	+ 3
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	—23	..	..	..	310·4	315·0	21st, 22nd	293·6	291·0	29th	302·0	..	..	0	..
642																		
643	Aswan	24 2	32 53	99·6	..	..	..	313·5	319·7	23rd	298·2	293·5	4th	305·8	..	—0·5	..	..
644	Tor	28 14	33 37	1·9	1006·8	1007·1	+ 0·1	306·2	311·6	6th	296·4	294·5	2nd, 3rd	301·3	300·3	+0·7	0	— 2
647	Bushire	28 59	50 53	4·3	1000·3	1000·9	+ 0·1	306·8	310·8	11th	301·0	296·6	18th	303·9	*303·2*	+0·8	0	..
648	Jask	25 44	57 47	4·0	998·7	999·2	— 0·9	310·6	318·3	24th	300·3	279·4	1st	305·4	*304·7*	+0·4	0	..
649	Karachi	24 53	66 57	4·0	999·2	999·6	— 0·7	306·5	312·9	14th	301·8	300·6	2nd	304·1	*303·4*	+0·7	0	— 25
650	Jacobadad	28 17	68 29	56·7	991·2	997·4	— 0·1	318·1	322·5	10th, 27th	302·3	295·7	12th	310·2	*309·7*	—0·1	25	+ 105
651	Jaipur	26 56	75 52	436	952·9	1000·3	— 0·1	309·3	317·3	10th	297·8	293·2	16th	303·6	*302·9*	—2·7	248	— 41
652	Nagpur	21 8	79 5	310	968·0	1001·9	+ 0·4	311·3	314·8	5th	300·8	296·2	21st	306·1	*305·1*	+1·3	132	— 41
653	Allahabad	25 25	81 51	94·1	989·1	999·4	?+ 0·3	313·2	319·4	10th	302·3	295·8	27th	307·8	*307·1*	+1·1	20	— 170
653*a*	Darjeeling	27 3	88 18	2266	771·9	..	— 1·0	293·3	297·3	3rd	287·3	285·3	5th, 6th	290·3	*289·9*	+1·3	562	+ 59
654	Calcutta	22 36	88 23	6·4	999·5	1000·3	— 0·5	308·8	313·8	2nd	300·3	297·3	27th	304·6	*304·4*	+2·2	130	— 59
655	Gauhati	26 8	91 41	59·7	995·6	1002·3	— 0·7	304·6	309·3	2nd	297·5	295·1	4th	301·1	*300·4*	—0·2	309	— 134
655*m*	Cherrapunji	25 15	91 42	1314	863·4	..	0·0	295·3	298·3	2nd	290·7	289·1	8th	293·0	*292·5*	—0·1	1830	+ 1243
655*a*	Akyab	20 11	92 56	6·1	1002·7	1003·4	— 0·9	303·7	307·2	7th	297·6	295·8	28th	300·6	*300·7*	—0·1	1031	+ 343
656	Mandalay	21 59	96 0	76·2	995·2	1003·7	— 1·0	311·0	313·4	6th	300·2	299·1	18th	305·6	*304·8*	+2·2	0	— 115
656*a*	Tengyueh	24 59	98 35	1633	826·8	996·6	..	296·8	301·3	12th	288·9	284·7	1st	292·9	*292·3*	..	274	— 240
657	Phu Lien	20 48	106 38	116	989·1	1002·1	— 1·8	306·1	310·2	14th	298·7	295·3	1st	302·4	301·6	+0·4	100	— 203
658	Moncay	21 31	107 51	9·0	1001·6	1002·6	— 1·3	304·7	307·2	14th	297·6	294·8	4th	301·2	*301·2*	0·0	203	+ 134
659	Hongkong	22 18	114 10	33·2	..	1004·1	— 2·0	302·4	304·7	13th	298·5	295·6	4th	300·5	300·2	0·0	395	+ 36
660	Amoy	24 27	118 4	ca.3	1004·4	1004·7	— 2·1	300·7	305·8	21st	297·1	292·4	2nd, 3rd	298·9	*298·7*	—1·3	303	— 105
661	Taihoku, Formosa	25 2	121 31	9·3	1004·1	1005·1	— 1·9	304·2	307·3	20th	295·3	288·6	5th	299·7	299·2	—0·5	173	+ 44
661*a*	Basco	20 28	121 59	18·7	1003·1	1005·5	— 1·6	304·8	307·0	19th, 20th	297·5	294·5	9th	301·1	*301·0*	—0·4	110	+ 135
662	Naha	26 13	127 41	10·5	1005·4	1006·7	— 2·1	303·5	306·2	30th	297·1	291·0	6th	300·3	299·9	+0·5	399	+ 10
665	Titizima (Bonin Islands)	27 5 N.	142 11 E.	4·0	1010·5	1010·9	— 1·9	300·9	304·0	29th	295·9	294·0	12th	298·4	298·0	—0·7	113	— 10
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. JUNE—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	955·0	1009·8	..	302·6	304·9	4th, 7th	297·1	295·2	1st	299·8	*298·9*	..	155	..
717	Morelia	19 42	101 7	1923	808·9	1005·9	..	295·0	297·2	18th	..	..	..	..	*291·7*	..	250	..
718	Mexico, Tacubaya	19 24	99 12	2309	774·8	1011·2	+ 0·2	295·3	298·7	17th	284·2	282·7	4th	289·8	288·8	—0·9	190	+ 86
719	Salina Cruz	16 12	95 12	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
720	San Salvador	13 42	89 13	682	933·5	1008·6	— 1·6	306·1	308·0	5th, 22nd	291·3	290·0	1st, 23rd	298·7	*296·7*	+0·3	270	— 54
721	Belize	17 29	88 12	5·2	1011·5	1012·0	+ 1·4	303·2	304·9	7th, 8th	297·5	294·1	1, 15, 16	300·3	*299·9*	—0·5	267	— 21
722	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·4	+ 0·1	303·7	305·1	23rd	294·8	293·5	6th	299·3	*298·7*	—0·4	232	+ 73
723	Port au Prince	18 34	72 22	37·4	1010·3	1014·6	0·0	307·0	309·4	23rd	296·4	294·7	5th	301·7	*300·9*	+0·6	64	— 24
724	Caracas	10 30	66 55	1042	899·8	1015·5	+ 0·3	298·5	302·1	2nd	289·1	288·6	19th	293·8	*292·7*	—0·9	142	+ 36
725	Montserrat	16 41	62 9	39·6	1010·9	1015·4	— 0·1	305·2	307·4	11th	296·8	294·7	8, 19, 26	301·0	*300·5*	..	65	..
726	Grenada (Richmond Hill)	12 5	61 46	155	‡995·5	‡1013·5	+ 0·2	301·9	303·0	5, 14, 30	296·6	295·2	24th	299·3	*298·8*	+0·2	92	—119
727	Barbados	13 8	59 36	55·2	..	1014·6	+ 0·2	303·2	304·2	18th	296·3	293·6	14th	299·8	*299·7*	+0·5	27	— 83
728	São Vicente, C. Verde Is.	16 54	25 4	11	1014·2	1015·5	+ 0·3	299·3	303·0	26th	..	..	..	..	297·0	+0·5	0	0
729	San Tiago, C. Verde Is.	14 54	23 31	?40	1012·0	1016·6	+ 1·4	300·3	305·4	25th	295·2	293·8	8th	297·7	*297·9*	—0·2	0	0
730	Bathurst	13 27	16 36	1·8	1013·5	1013·7	+ 0·5	303·3	305·2	4, 17, 24	..	..	..	..	..	..	57	— 18
731	M'Carthy Island	13 33	14 45	1·1	..	..	..	307·0	313·6	9th	297·4	294·7	13th	302·2	..	—0·6	108	+ 3
732	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
733	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
734	Sokoto	13 2	E 5 14	353	..	..	..	308·1	310·2	1st	294·7	288·6	5th	301·4	*300·9*	—1·7	103	0
735	Kaduna Capital	10 32	7 25	637	944·9	1016·5	+ 0·8	302·2	304·7	9th	292·7	289·1	19th	297·5	*296·9*	—0·2	243	+ 44
736	Hadeija	12 40	10 5	?	..	..	..	309·3	311·9	6, 9, 29	295·4	290·8	3rd	302·3	*301·7*	—1·4	95	..
737	Maiduguri	11 47	13 11	361	..	..	..	309·9	313·6	10th, 11th	297·0	293·6	2nd, 25th	303·5	*302·9*	—0·6	64	+ 9
738	El Fasher	13 32	25 18	730	..	..	..	311·3	314·7	12th	294·4	291·1	30th	302·8	*301·9*	..	59	..
739	El Obeid	13 11	30 14	569	..	..	..	309·3	311·7	21st	296·2	292·6	24th	302·8	*301·5*	—0·8	14	— 16
740	Khartoum	15 37	32 33	390	963·5	1005·7	— 0·9	314·3	317·5	11th	299·4	295·4	1st	306·9	*307·2*	+0·1	0	— 8
741	Port Sudan	19 37	37 13	5·5	1005·6	1006·3	+ 0·6	311·3	314·4	20th	298·7	296·1	4th	305·0	*305·0*	+0·7	0	0
742	Berbera, Somaliland	10 22	45 2	9·5	1003·8	1004·8	— 0·1	315·4	318·6	24th	303·0	299·1	3rd	309·2	*308·4*	0·0	0	0
743	Aden	12 45	45 3	28·7	1002·0	1005·2	— 0·1	307·7	309·5	28th	302·2	299·5	1st	304·9	*304·6*	+0·1	0	— 2
744	Bombay	18 54	72 49	11·3	1002·9	1004·1	— 1·1	304·7	307·7	8th	300·1	297·4	11th	302·4	*301·7*	+0·7	207	—270
745	Cochin	10 58	76 21	2·7	1009·3	1009·6	— 0·1	302·0	305·8	3rd	296·4	295·2	6th	299·2	*298·5*	—0·5	1191	+469
746	Kodaikanal	10 14	77 28	2343	769·2	..	— 0·1	292·0	295·4	8th, 11th	284·9	283·3	30th	288·4	*288·4*	+0·3	69	— 34
747	Bangalore	12 59	77 38	920	907·2	1007·0	— 0·1	303·1	306·3	2nd	292·5	290·7	30th	297·8	*296·7*	+0·3	86	+ 11
748	Madras	13 4	80 14	6·7	1004·4	1005·2	— 0·4	310·7	314·2	7th	300·5	296·9	29th	305·6	*305·0*	+0·7	11	— 34
749	Vizagapatam	17 42	83 19	11·6	1001·0	1002·3	+ 0·1	306·2	311·9	10th	300·6	294·0	23rd	303·4	*302·7*	+0·5	88	— 37
750	Port Blair	11 40	92 40	17·7	1004·7	1006·7	— 0·8	302·8	305·2	3rd, 8th	297·8	295·6	19th	300·3	*299·6*	—0·4	547	+ 58
751	Rangoon	16 46	95 48	5·5	1005·6	1006·3	— 0·5	303·4	307·7	5th	297·5	296·1	26th	300·5	*299·4*	0·0	259	—197
752	Saigon	10 47	106 42	11·2	..	..	..	304·8	307·8	13th	296·8	294·3	30th	300·8	*300·3*	—0·2	359	+ 70
753	Cap St. Jacques	10 20	107 5	8	985·9	1006·3	— 0·8	..	..	..	..	..	..	..	..	..	..	..
754	Nhatrang	12 15	109 12	3·6	1004·5	1004·9	— 1·4	305·9	308·6	14th	297·3	296·0	5th	301·6	*301·0*	0·0	50	— 6
755	Bolinao	16 24	119 53	7·1	1003·8	1004·7	— 1·8	304·8	307·3	13th	297·9	296·0	8th	301·3	*300·1*	—0·8	592	+211
756	Yigan	17 34	120 23	12·2	..	1005·8	— 1·7	305·3	307·7	17th	297·5	295·1	26th	301·4	301·1	+0·1	449	+162
757	Manila	14 35	120 59	14·2	..	1006·8	— 1·0	305·4	307·7	17th, 20th	297·2	296·2	21st	301·3	300·6	—0·2	347	+112
758	Ornoc	11 0	124 36	5·6	1006·0	1006·7	— 1·2	306·5	308·0	11th	296·5	294·9	21st	301·5	*300·8*	+1·1	187	— 14
759	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	1004·8	1007·4	— 1·8	304·7	306·7	17th	297·9	296·7	30th	301·3	*301·5*	+0·4	139	+ 1

Between Latitude 10° N. and 0°. JUNE—ZONE 8.

760	Fanning Island	3 55 N.	159 23 W.	3·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
761	Colon	9 23	79 23	11·0	..	1010·1	— 0·2	303·4	305·8	17th	297·4	295·8	3rd	300·4	*300·0*	+0·9	338	— 2
762	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	43	— 16
763	Merida, Venez	8 36	71 9	1641	‡841·7	..	..	297·1	299·5	10th	288·5	286·5	30th	292·8	*291·7*	..	144	..
764	El Peru, Guayanavieja	7 19	61 49	220	986·5	1011·4	0·0	303·8	307·6	5th, 6th	294·3	292·3	5th	299·1	*298·5*	+0·7	151	— 48
765	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·7	+ 1·3	302·0	303·6	10th	296·9	294·7	7th	299·4	*299·2*	—0·1	293	+ 7
766	Paramaribo	5 49	55 9	3·7	‡1014·2	‡1014·6	+ 0·8	302·1	303·8	7th	295·5	293·2	10th	298·8	*297·5*	—1·0	354	+ 56
767	Cayenne	4 56	52 21	6	..	..	..	304·8	305·4	5th	294·3	293·0	26th	299·6	*298·0*	0·0	652	+258
768	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
769	Freetown, Sierra Leone	8 29	13 9	68·3	1004·9	1012·8	+ 0·8	302·7	304·7	1st	295·9	293·6	10th, 19th	299·3	*298·3*	—0·5	353	—156
770	Cape Coast	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	138	— 82
771	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	..	..	..	..	‡*300·3*	+0·6	129	— 49
772	Lagos	6 27	E 3 24	4·6	1012·5	1013·0	— 1·2	302·0	303·7	..	296·5	294·3	..	299·3	*298·9*	0·0	380	— 94
773	Zungeru	9 48	6 10	130	..	..	..	?304·	..	..	?294·8	..	..	?299·5	*?298·9*	—0·5	146	— 17
774	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
775	Yola	9 12	12 30	259	..	..	..	304·7	308·0	6th, 11th	..	..	..	..	‡*299·3*	—0·2	189	+ 51
776	Wau	7 42	28 3	440	..	..	..	304·8	309·0	8th	294·1	291·5	27th	299·4	*298·7*	—0·1	277	+108
777	Malakal (Kodok)	9 35	31 37	394	966·4	1010·6	+ 0·9	305·4	309·1	10th	..	..	..	..	‡*297·7*	..	125	— 8
778	Mongalla	5 11	31 47	439	960·4	1009·1	— 0·3	?305·2	?308·0	2, 9, 11	294·2	293·0	sev. dates	?299·7	*?298·0*	—0·2	132	+ 15
779	Entebbe	0 5	32 29	1171	884·4	1010·8	— 0·4	297·9	301·1	6th	289·9	288·6	1st	293·9	*293·8*	—0·2	205	+ 75
780	Minicoy	8 17	72 49	2·1	1009·6	1009·8	— 0·1	..	..	..	..	..	..	..	..	..	530	+249
781	Colombo Observatory	6 54	79 53	7·3	..	1009·0	+ 0·5	302·6	304·2	1st	297·7	295·6	23rd	300·1	*299·4*	—0·5	443	+247
782	Nuwara Elija	6 59	80 47	1886	812·4	1010·6	..	291·5	297·3	8th	285·9	282·3	2nd	288·7	*288·0*	+0·2	416	+ 87
783	Trincomalee	8 34	81 14	30·2	..	1005·8	+ 0·6	307·6	309·9	23rd	298·4	296·9	3rd	303·0	*302·3*	+0·3	3	— 30
784	Kuta Raja	5 32	95 20	7·1	..	..	..	..	..	..	..	..	..	..	..	..	72	— 20
785	Medan	3 35	98 41	25·0	..	..	..	..	..	..	..	..	..	..	..	..	91	— 39
786	Penang	5 34	100 20	5·0	1008·3	1008·9	— 0·7	303·4	306·1	28th	295·2	294·4	23, 27, 29	299·3	*298·8*	—1·3	207	+ 12
787	Singapore	1 17	103 51	3	1008·1	1008·4	— 0·8	305·3	307·7	23rd	297·5	295·8	10th	301·4	*300·9*	+0·8	57	—117
788	Sandakan	5 50	118 7	31·7	..	..	..	304·2	305·8	5, 7, 12	297·1	296·3	17, 22, 28	300·7	*300·2*	+0·1	105	— 20
789	Kwahig	9 44	118 38	13

JUNE—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	303·1	306·2	28th	296·2	294·6	4th, 15th	299·6	*299·1*	—0·7	198	+125
926	Taperinha	2 30	54 20	20·0	1010·1	1012·4	+ 0·1	301·6	303·4	13th	295·1	294·0	30th	298·4	*297·5*	0·0	171	..
927	Turyassu	1 43	45 26	15·1	1010·4	1012·1	— 0·2	303·5	305·2	24th	294·7	293·1	8th	299·1	*298·4*	—0·1	242	+ 31
928	Barra do Corda	5 30	45 16	81·0	1001·8	1011·3	— 0·8	..	..	..	291·3	289·2	29th, 30th	..	*297·0*	—0·6	0	+ 19
929	Quixeramobim	5 16	39 15	207	990·2	1012·2	— 0·1	301·3	302·7	30th	295·3	293·8	7th	298·3	*298·3*	—1·0	62	+ 21
930	Fernando Noronha	3 50	W32 25	106	1001·3	1013·3	— 0·4	299·8	300·8	20th	296·3	294·0	7th	298·0	*298·1*	..	362	+249
939	Loanda	8 49	E 13 13	59·3	..	1015·3	+ 0·6	296·9	298·5	5th	293·2	291·0	28th	295·1	294·6	+0·3	7	+ 7
940	Brazzaville	4 17	15 16	320	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Masaka	0 21	31 47	?1280	..	..	..	297·1	298·6	15th, 22nd	289·3	287·4	27th	293·2	*292·7*	+0·4	8	—35
944	Nairobi	1 14	36 44	1800	..	..	..	292·4	296·9	14th	283·0	278·0	20th, 30th	287·7	*287·0*	—1·3	19	—39
944*a*	Zanzibar	6 10	39 11	21·9	1016·0	1018·4	+ 0·1	300·2	301·6	2nd	296·3	295·1	27th	298·3	*297·9*	—0·3	20	—29
945	Lamu	2 16	40 50	3·1	..	..	..	301·3	302·4	2, 3, 4	293·0	290·8	11th, 12th	297·2	*296·7*	—2·9	119	—21
947	Seychelles, Port Office	4 37	55 27	4·6	1012·1	1012·7	+ 0·7	300·8	301·9	..	298·1	296·7	..	299·4	*298·8*	+0·5	90	..
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	334	+10
958	Batavia	6 11	106 50	8·0	1008·6	1009·5	— 0·3	303·2	304·4	23rd	296·5	295·1	5th	299·9	299·5	+0·3	127	+52
958*a*	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	274	+52
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	7	—36
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	30	..
962	Amboina	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	387	—258
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	226	+ 25
965	Daru	9 4	143 13	7·6	..	1011·2	— 0·3	298·7	..	..	..	..	..	..	..	..	35	—79
966	Port Moresby	9 29	147 9	39·0	..	1010·8	— 0·1	302·4	..	..	297·1	..	..	299·8	*299·4*	+0·6	13	— 7
967																	..	..
968	Rendova	8 30	157 12	1·8	1009·5	1009·7	— 0·1	..	..	..	..	..	..	..	..	..	..	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·2	1010·5	+ 0·4	303·1	305·3	1st	297·9	296·7	15th	300·5	*300·3*	+0·3	124	+ 20
970	Ocean Island	0 52 S.	169 35 E.	54·0	1000·6	1006·8	— 1·2	303·6	304·7	14, 23, 30	297·2	295·8	7, 13, 17	300·4	*299·7*	—0·6	261	+131

JUNE—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1011·0	— 0·6	302·6	305·0	22nd	295·6	291·9	10th	299·1	298·9	+0·5	183	+ 52
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	300·6	303·6	3rd, 4th	291·9	286·9	15th	296·3	*296·1*	0·0	23	— 71
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	761·8	..	0·0	292·3	294·1	23rd	282·5	280·7	28th	287·4	*286·6*	+0·5	0	— 1
1022	Puerto de Arica	18 28	70 20	5	..	..	..	293·3	294·0	18th	287·0	285·4	30th	290·1	..	—0·2	0	0
1023																	..	..
1024	Sucre, Bolivia	19 3	65 16	2848	729·2	..	..	288·3	293·1	9th	275·0	270·2	14th	281·7	*282·0*	..	3	+ 1
1025	Corumba	18 59	57 39	116	1001·8	1015·4	+ 1·4	297·7	303·6	29th	288·5	279·8	15th	293·1	*292·3*	—1·8	2	—40
1026	Cuyaba	15 36	56 6	165	995·0	1014·0	+ 0·5	302·0	307·9	28th	289·4	282·2	15th	296·2	*295·1*	—2·1	3	— 4
1027	Bello Horizonte	19 55	43 57	857	922·7	1019·5	0·0	297·3	299·2	24th	283·4	278·0	17th	290·3	*289·6*	—0·4	0	+ 12
1028	Caetite	14 3	42 37	900	918·0	1017·7	+ 0·3	297·1	299·0	13th	287·8	285·0	17th	292·4	*292·9*	—0·1	23	+ 15
1029	Ondina (Bahia)	13 0	38 31	46·6	1010·7	1016·1	— 0·4	298·9	300·2	1st, 4th	294·2	292·6	17th	296·6	*296·8*	—0·1	245	+ 15
1030	Aracaju	10 54	37 3	4·0	1015·8	1016·2	— 0·2	299·8	302·2	21st	294·5	293·4	9th	297·1	*297·9*	—0·5	113	— 12
1035	St. Helena	15 57	W 5 40	‡579	947·9	1014·6	+ 1·0	293·6	297·9	4th	286·1	284·7	21st, 26th	289·9	*289·8*	+0·8	91	..
1039	Mossamedes	15 11	E 12 10	12·5	..	..	..	292·4	297·8	4th	286·1	282·6	1st	289·3	*288·9*	..	0	— 1
1042	Gwelo	19 28	29 48	1417	865·5	1021·6	+ 0·1	296·2	300·2	18th	277·0	271·9	15th	286·6	..	+0·4	0	— 1
1043	Salisbury, Rhodesia	17 48	31 5	1457	859·3	1019·0	— 1·5	296·2	299·1	18, 20, 22	278·2	274·7	4th	287·2	*286·3*	+0·4	2	+ 1
1044	Zomba	15 23	35 18	996	912·1	1023·8	— 0·6	295·5	298·6	6, 22, 24	284·4	278·6	3rd	289·9	*289·8*	—0·3	6	— 7
1045	Antananarivo	18 55	47 32	1400	868·3	1023·3	+ 0·9	292·7	295·6	20th	281·5	279·2	13th	287·1	*286·1*	—1·0	7	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·8	1012·3	+ 0·3	300·9	302·7	15th	297·8	296·3	25th, 26th	299·3	*299·0*	—0·1	161	— 80
1057	Christmas Island	10 25	105 43	5·5	1007·8	1008·4	— 0·3	303·2	305·2	..	296·7	295·2	..	299·9	*299·2*	0·0	259	+ 65
1061	Kupang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	1	—100
1061*a*	Derby	17 18	123 40	16·2	1011·6	1013·6	— 1·0	302·9	307·0	3rd	289·3	285·3	13th	296·1	..	+0·4	0	— 15
1062	Hall's Creek	18 13	127 46	374	972·0	1014·2	— 2·1	301·6	304·7	21st	285·8	280·7	17th	293·7	*293·0*	+2·0	0	— 4
1063	Darwin	12 28	130 51	29·6	1007·2	1010·5	— 1·4	305·4	308·0	2nd, 9th	296·2	294·6	4th	300·8	*299·6*	+1·7	0	— 4
1064	Daly Waters	16 16	133 23	211	986·7	1010·3	— 3·9	304·2	306·9	12th	290·4	285·8	5th	297·3	*296·6*	+3·1	0	— 4
1065	Mein	13 13	142 47	122	996·8	1010·6	— 1·1	301·7	304·4	14th	291·4	285·8	17th, 18th	296·6	..	0·0	5	+ 1
1066	Georgetown, Queensland	18 22	143 32	302	980·4	1014·7	— 0·4	300·3	304·1	30th	287·1	280·2	19th	293·7	..	+0·2	18	— 79
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1072	Suva, Fiji	18 8 S.	178 26 E.	17·7	1011·9	1014·0	— 1·2	297·8	300·2	4th, 21st	292·8	289·0	14th	295·3	*295·1*	—1·5	75	—81
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

JUNE—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1095	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	292·1	288·0	27th	..	..	..	171	+ 62
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·4	1017·7	+ 0·2	288·7	293·5	7th	283·2	280·9	3rd	285·9	*285·6*	+0·6	4	— 43
1122	Iquique	20 12	70 11	9	1014·8	1015·9	+ 0·2	291·5	293·1	10th	287·6	286·0	2nd, 3rd	289·5	*289·5*	0·0	0	0
1123	Catamarca	28 27	65 47	510	955·0	1014·8	+ 0·1	290·8	297·5	19th	278·1	273·5	3rd	284·5	284·0	—0·1	13	+ 10
1124	Salta	24 46	65 28	1178	884·5	1017·1	+ 1·4	290·9	298·2	8th	277·4	269·4	5th	284·1	283·5	—0·6	28	+ 27
1125	Goya	29 9	59 15	26	1013·7	1016·8	— 0·7	292·9	300·8	20th	282·6	274·5	3rd	287·7	287·0	+0·3	49	+ 9
1127	Asuncion	25 21	57 37	95	‡1007·0	‡1018·3	— 0·7	297·7	304·0	21st	285·8	278·0	14th	291·7	290·1	+0·2	124	+ 63
1128	Curityba	25 25	49 17	908	916·7	1020·3	— 1·3	291·7	297·3	29th	279·1	266·7	15th	285·4	*285·2*	+0·2	53	— 45
1129	Rio de Janeiro	22 54	W43 10	61·4	1011·3	1020·1	— 0·7	297·0	302·3	3rd	291·3	287·5	17th	294·2	293·9	+0·3	105	+ 47
1139	Windhoek	22 35	E17 5	1680	..	..	..	293·2	296·9	20th	279·7	274·6	24th	286·4	*286·3*	+0·2	0	— 1
1141	Kimberley	28 42	24 47	1202	886·6	1023·7	— 1·0	290·6	295·7	12th	272·9	266·9	24th	281·7	281·3	—1·1	0	— 6
1142	Johannesburg	26 11	28 4	1806	826·1	1023·1	— 0·7	288·4	294·1	22nd	277·2	269·2	24th	282·8	*282·3*	—0·6	0	— 4
1143	Pretoria (Brooklyn)	25 46	28 13	1400	865·7	1022·4	— 0·8	291·4	296·3	18th	274·7	268·6	25th	283·1	*282·6*	—0·5	0	..
1144	Bulawayo	20 9	28 35	1340	872·1	1020·6	— 0·3	295·6	299·7	19th	277·9	272·1	26th	286·7	*286·0*	—0·4	0	— 1
1147	Durban	29 52	31 3	15·2	1018·9	1020·7	— 2·1	295·5	300·9	5th	285·0	280·9	25th	290·3	*289·8*	—0·4	22	— 7
	Lourenço Marques	25 58	32 36	59	..	1020·3	— 1·7	298·3	304·2	18th	284·8	280·6	15th	291·5	290·9	—0·4	7	— 7
1157	Mauritius	20 6	57 33	55·2	1012·4	1018·9	— 0·1	297·0	299·1	3rd	288·4	285·5	8th	292·7	292·5	—1·1	18	— 53
1159	Onslow	21 43	114 57	4·3	1013·3	1014·2	— 1·3	298·4	301·4	25th	285·5	281·8	24th	291·9	..	0·0	71	+ 26
1160	Peak Hill	25 38	118 47	588	946·6	1014·6	— 3·0	291·8	295·5	25th	280·9	276·3	30th	286·3	..	—0·7	36	0
1161	Nullagine	21 53	120 5	386	970·9	1015·0	— 2·4	296·2	299·7	17th	281·0	274·7	10th	288·6	..	—0·9	15	— 12
1162	Laverton	28 40	122 23	466	961·4	1015·5	— 4·6	290·2	295·0	26th	278·8	271·3	30th	284·5	*284·4*	—0·6	27	+ 3
1163	Alice Springs	23 38	133 37	587	947·5	1014·4	— 5·5	294·2	300·8	21st	279·4	273·6	26th	286·8	287·2	+1·4	13	— 1
1164	William Creek	28 55	136 21	76·2	1004·6	1013·7	— 6·2	291·7	298·6	27th	282·1	278·8	9th, 10th	286·9	*286·6*	+1·7	25	+ 9
1165	Boulia	22 55	139 38	146	996·9	1013·9	— 2·9	297·1	304·8	30th	283·3	278·6	17th, 25th	290·2	*289·9*	+1·8	10	0
1166	Thargomindah	27 58	143 43	123	999·6	1014·2	— 4·2	292·1	298·7	28th	282·3	275·8	10th	287·2	*286·9*	+0·7	105	+ 83
1167	Mitchell	26 32	147 52	336	977·6	1016·3	..	292·3	299·8	22nd	279·7	271·3	6th	286·0	..	+1·2	99	+ 56
1171	Rockhampton	23 24	150 30	11·3	1014·9	1016·2	— 1·6	297·2	301·3	22nd	286·2	277·4	6th	291·7	..	+1·3	15	— 35
1172	Brisbane	27 28	153 2	41·7	1011·5	1016·5	— 1·5	294·0	297·8	29th	283·7	278·8	5th, 7th	288·8	*288·2*	+0·1	82	+ 15
1173	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1174	Norfolk Island	29 4 S.	167 59 E.	15·2	1016·7	1018·6	+ 1·5	292·5	294·7	10th	287·8	284·1	9th	290·1	*289·7*	—0·1	64	— 86

JUNE—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1181	Juan Fernandez	33 37	78 50	10	1018·6	1019·8	..	289·7	293·8	24th	283·4	281·2	23rd	286·5	*287·0*	+0·3	192	+ 38
1182	Punta Tumbes	36 37	73 6	91	‡1007·9	‡1019·0	+ 2·4	287·3	290·0	12th	280·2	276·8	1st	283·7	*283·4*	—0·2	128	+ 10
1183	Punta Angeles, Valparaiso	33 1	71 38	41	1012·8	1017·8	— 0·1	288·3	293·5	11th	281·4	278·0	17th	284·9	*284·3*	—1·0	48	— 96
1184	Santiago	33 27	70 42	520	957·1	1019·0	+ 0·9	287·2	295·8	13th	276·8	271·5	2nd, 3rd	282·0	*280·9*	0·0	81	— 2
1185	Cordoba	31 25	64 12	423	967·6	1018·0	+ 0·8	291·6	297·2	..	274·2	265·8	..	282·9	282·3	—0·5	0	— 7
1186	Bahia Blanca	38 45	62 15	25	..	1017·4	+ 1·1	285·5	292·0	26th	275·9	270·0	12th, 13th	280·7	280·3	—1·2	5	— 20
1187	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1019·4	+ 1·0	287·6	291·2	19th	277·6	271·0	13th	282·6	282·0	—1·6	1	— 67
1188	Montevideo (Prado)	34 52	56 12	24·9	1015·8	1018·8	+ 1·4	287·5	292·5	20th	278·7	271·2	11th	283·1	283·1	—0·8	2	— 68
1189	Porto Alegre	30 2	W51 13	23·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1190	Cape Town	33 56	E18 29	12·2	..	1017·9	— 2·4	289·3	296·9	28th	281·7	276·3	23rd	285·5	*284·3*	—0·7	139	+ 24
1191	Danger Point	34 37	19 18	27·7	1015·2	1018·6	..	288·9	290·2	21st, 28th	282·5	278·6	5th	285·7	..	..	95	+ 10
1192	Riversdale	34 6	21 16	?61	1005·4	1012·8	..	291·8	299·7	11th	278·1	272·4	2nd	284·9	..	..	52	..
1193	East London	33 1	27 54	9·8	1016·2	1017·4	— 4·2	295·2	303·0	13th	281·2	276·3	6th	288·2	..	—0·7	4	— 38
1194	Perth (Observatory)	31 57	115 51	60·0	1006·5	1013·9	— 3·9	290·6	293·9	13th	283·2	274·7	30th	286·9	*287·0*	+0·1	300	+126
1195	Katanning	33 42	117 35	310	975·6	1012·6	— 4·5	287·6	291·2	4th	280·3	273·6	30th	283·9	..	+0·1	96	+ 25
1196	Coolgardie	30 57	121 10	423	963·9	1013·4	— 5·5	289·3	293·3	4th	279·1	274·0	9th, 30th	284·2	*284·1*	—0·3	35	+ 4
1197	Eucla	31 45	128 58	4·6	1010·0	1010·6	— 7·9	290·4	296·0	26th	281·3	275·2	30th	285·9	*285·6*	—0·4	34	+ 7
1198	Streaky Bay	32 48	134 13	13·1	1009·7	1011·1	— 8·3	288·9	291·9	11th	283·5	278·0	5th	286·2	*285·9*	+0·6	155	+ 84
1199	Adelaide	34 56	138 35	42·7	1004·8	1010·0	— 9·0	287·9	291·1	29th	281·8	275·7	5th	284·8	*284·7*	—0·1	178	+ 98
1200	Melbourne	37 49	144 58	35·1	1005·4	1009·6	— 8·9	287·1	290·9	29th	281·0	275·2	14th	284·1	*283·7*	+0·9	78	+ 25
1201	Bourke	30 13	145 58	110	1004·1	1017·6	— 4·2	290·5	296·3	28th	281·3	273·6	6th	285·9	..	+0·8	128	+100
1202	Sydney	33 51	151 13	44·5	1007·1	1012·5	— 5·1	291·4	295·2	12th	281·9	276·3	5th	286·7	*285·8*	+1·1	61	— 60
	Lord Howe Island	31 20	159 0	4·6	1014·9	1015·5	— 0·9	292·7	294·7	16th	287·0	282·7	11th	289·8	..	+0·1	254	+ 64
1205	Auckland	36 50	174 50	38·1	..	1017·6	..	287·8	290·5	7th, 21st	282·4	276·6	30th	285·1	..	+0·2	217	+ 94
1206	Napier	39 32 S.	176 53 E.	21·3	..	1018·9	+ 6·0	287·2	291·6	20th	279·2	275·8	26th, 29th	283·2	..	+0·1	89	+ 27

JUNE—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1207	Chatham Island	43 52	170 42	104	..	1017·2	..	..	..	..	..	..	..	..	..	..	119	+ 36
1208	Isla Guafo	43 34	74 45	140	997·8	1014·8	+ 1·8	284·2	286·1	6th	279·5	277·0	1st, 21st	281·9	*281·3*	+1·0	87	— 58
1209	Punta Galera	40 1	73 44	40	1013·8	1018·7	+ 3·9	284·7	287·0	18th	280·1	276·4	1st	282·4	*282·6*	—0·2	302	— 57
1210	Sarmiento	45 30	69 0	274	..	1009·9	..	281·9	289·5	23rd	273·7	265·0	21st	277·8	277·6	+1·6	18	+ 9
1211	Punta Madryn	42 49	W64 58	14	..	1013·8	..	286·5	292·8	14th	274·8	268·0	1st	280·7	280·2	+0·1	11	— 9
1212	Launceston	41 27	E147 10	10·1	1004·2	1005·4	—10·2	285·3	289·8	1st	277·7	272·3	6th, 7th	281·5	*281·0*	+0·5	117	+ 28
1213	Hobart	42 53	147 20	53·9	997·2	1003·8	—10·4	284·4	291·2	29th	278·2	273·4	15th	281·3	*280·8*	+0·1	61	+ 5
1214	Invercargill	46 25	168 21	5·5	..	..	..	284·2	289·7	13th	274·0	269·7	16th, 26th	279·1	..	0·0	25	— 63
1215	Dunedin	45 52	170 31	91·4	..	1016·8	+ 4·2	284·9	290·2	20th, 30th	276·3	272·4	24th, 25th	280·6	..	+1·0	31	— 49
1216	Christchurch	43 31	172 39	7·6	..	1017·4	+ 4·8	283·7	287·6	12th	276·9	271·8	26th	280·3	..	+0·9	26	— 41
1217	Wellington	41 16 S.	174 46 E.	2·4	..	1019·0	+ 4·8	285·6	288·6	20th	278·6	272·8	29th	282·1	..	—0·6	146	+ 25
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

JUNE—ZONE 14.

RÉSEAU MONDIAL.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	993·0	999·7	— 3·1	279·6	282·8	13th	276·2	273·2	27th	277·9	277·8	+0·2	327	+112
1422	Puerto de Punta Arenas	53 10	70 54	4	999·0	999·5	— 3·5	277·6	280·2	8th	273·6	270·3	27th, 28th	275·6	*276·0*	+0·7	72	+ 15
1423	Punta Dungeness	52 24	68 26	5	999·5	1000·1	— 1·9	279·4	282·5	11th	275·0	273·2	4th	277·2	*277·0*	+0·7	14	— 6
1424	Santa Cruz	50 11	68 21	12	1002·7	1004·2	— 1·8	279·5	285·3	16th	272·7	265·4	28th	276·1	276·0	+1·0	7	+ 39
1424*a*	Año Nuevo	54 39	64 8	50	992·0	998·2	— 1·7	277·5	279·6	8th	274·0	268·3	4th	275·8	275·9	+0·3	94	+ 23
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	84	..
1426	Cape Pembroke	51 41	57 42	21	..	1001·5	— 1·1	278·4	281·3	19th, 25th	273·6	270·8	3rd, 28th	276·0	276·5	+0·4	..	+ 15
1429	S. Georgia (Cumberland Bay)	54 14	36 33	4	1006·2	1006·7	+ 8·6	272·4	279·7	27th	267·8	262·6	19th	270·1	*270·5*	—1·2	139	+ 15

JUNE—ZONE 15. Between Latitude 60° S. and 70° S.

		S.	W.															
1527	South Orkneys.	60 44	44 39	7	1004·3	1005·2	+ 8·8	267·6	272·9	23rd	259·3	240·1	28th	263·5	264·1	+0·6	36	+ 7
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JUNE 1920.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s		9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SE	6·3	—	Calm 0 SW 4	W 1 S 2	SE 3	SE 2	SSE 3 E 2	SE 4
2	SSE	5·8	—	ENE 3 Calm 0	W 2 SW 3	SE 1	Calm 0	ENE 3 ENE 3	Calm 0
3	SSE	8·0	—	E 4 SW 2	SW 1 SW 1	SE 1	SE 2	ENE 3 E 3	SE 3
4	SE	9·2	—	Calm 0 SW 2	S 2 E 2	E 3	SE 6	NE 2 ENE 3	Calm 0
5	SE	9·7	—	NE 4 SW 1	SE 1 N 1	E 6	SE 6	WNW 1 NNE 2	Calm 0
6	ESE	7·2	—	E 1 SW 2	SW 1 S 1	SSE 2	SE 4	NE 3 NE 2	Calm 0
7	SSE	5·6	—	Calm 0 SW 1	SSE 2 SE 1	E 1	SE 4	E 1 E 2	Calm 0
8	SE	4·1	—	Calm 0 Calm 0	S 1 SE 1	NE 3	SE 4	E 1 E 2	Calm 0
9	SSE	—	—	SW 2 SW 2	N 2 SE 2	E 2	SE 2	E 3 ENE 3	Calm 0
10	Calm	—	—	Calm 0 Calm 0	N 2 S 1	E 3	SE 2	ENE 3 NE 2	Calm 0
11	SE	5·7	—	NE 1 SW 2	SE 1 N 1	ESE 3	SE 4	E 3 E 2	Calm 0
12	SE	10·7	—	NE 2 SW 1	SE 2 S 2	ESE 3	SE 6	ESE 3 E 3	Calm 0
13	SE	9·9	—	NW 1 SW 2	N 2 N 1	E 1	SE 6	N 3 NNW 2	Calm 0
14	SE	9·3	—	NE 1 Calm 0	SW 1 S 1	E 1	SE 4	ESE 2 SE 2	Calm 0
15	SE	8·9	—	Calm 0 SW 1	SSE 2 W 1	SE 3	SE 6	SE 2 E 2	Calm 0
16	SSE	—	—	SW 1 Calm 0	NE 1 NW 1	SE 4	SE 4	ESE 3 E 2	Calm 0
17	Calm	—	—	NE 1 SW 2	SE 1 S 2	ESE 3	SE 2	E 4 W 4	SE 2
18	Calm	4·9	—	SW 2 SW 1	S 1 S 2	—	SE 2	ENE 3 ENE 1	Calm 0
19	SSE	7·1	—	Calm 0 SW 1	E 2 S 1	SE 3	SE 2	NE 2 NE 2	Calm 0
20	SE	4·4	—	Calm 0 SW 1	E 1 S 2	E 3	SE 4	NE 2 E 2	SE 2
21	SSE	4·9	—	NE 1 Calm 0	S 1 SE 1	E 1	ESE 4	E 3 E 3	Calm 0
22	SSE	7·4	—	Calm 0 SW 3	S 1 SE 2	SE 3	SE 2	ENE 3 ENE 2	Calm 0
23	ESE	4·2	—	Calm 0 SW 4	SW 1 W 1	NE 2	SE 4	SE 4 ESE 4	Calm 0
24	ESE	3·3	—	E 1 SW 2	W 1 SE 1	E 1	SE 4	ESE 2 E 3	Calm 0
25	ESE	2·9	—	Calm 0 SW 3	SW 1 S 1	SE 3	SE 6	ENE 3 ENE 3	Calm 0
26	Calm	1·0	—	Calm 0 SW 2	S 1 S 2	E 1	SE 6	E 3 ENE 2	SE 4
27	Calm	2·1	—	SW 3 SW 2	S 1 SE 2	NE 1	SE 6	ENE 1 Calm 0	SE 3
28	SE	5·4	—	E 1 W 2	W 2 SE 2	E 2	SE 8	W 1 NW 1	SE 3
29	SE	7·6	—	Calm 0 Calm 0	S 3 W 2	SE 2	SE 8	ENE 1 E 1	SE 4
30	SSE	8·0	—	SE 1 SW 2	S 2 SE 2	E 3	ESE 6	ENE 3 ENE 2	SE 1
Mean	..	6·3	..	1·0 1·5	1·4 1·5	2·3	4·4	2·5 2·2	1·3
§Resultant	140° (76)	..	..	215° (29)	180° (47)	105° (82)	135° (95)	75° (70)	135° (43)
§Normal	136° (84)	6·4	‖102° (70)	267° (19)	245° (40)	87° (84)	131° (81)	109° (53)	97° (40)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at ?608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JUNE 1920.

‡‡ *Kara Sea.*—Kara Strait and Jugor Strait became free of ice during the month and icebreakers were able to penetrate to the middle of the Kara Sea, though they met with floes 20 feet thick. The area covered was 246×10^3 sq. km. compared with a normal of 253×10^3 sq. km.

‡‡ *Barents Sea* was free of ice to Waigatsch Island and along the west coast of Novaya Zemlya to 76° N. A tongue of ice extended south-west from south of Hope Island to 15° E. 75° N. The edge consisted of scattered winter ice and icebergs. The area covered was 524×10^3 sq. km. compared with a normal of 841×10^3 sq. km.

‡‡ *Spitsbergen.*—A belt of ice 30—40 miles wide extended along the west coast towards Prince Charles Foreland, but from there to Danes Island the sea was free of ice. The fiords became free of ice during the course of the month.

‡‡ *Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 7 days visible and 1 day heavy.

‡‡ *Greenland Sea and Denmark Strait.*—The ice edge withdrew to 6° W. and was more scattered than in May. At Angmagsalik there was ice everywhere in the offing; the ice under the land was scattered. The area covered was 811×10^3 sq. km. compared with a normal of 921×10^3 sq. km.

‡‡ *N. Atlantic and Labrador.*—Eighty-six icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being seventy-two. They were more southwards and eastwards than usual for this month. No floes were observed.

‡‡ *Davis Strait and Baffin Bay.*—A belt of ice, considerably wider than usual and consisting of close packed ice with an irregular scattered edge extended from Cape Farewell to Fiskernæs. From Cape Farewell to Nunarsuit the ice was close inshore but from there to Fiskernæs there was a land water. From Fiskernæs to Upernivik the sea was free of ice.

‡‡ *Melville Bay and Smith Sound.*—The ice was still passable in Melville Bay, but south of 75° N. open water was observed in the direction of Baffin Bay. At Cape York the sea was open, but some distance offshore an edge of closely packed ice was observed.

‡‡ *Isforholdene i de Arktiske Have*, 1920, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JULY 1920.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JULY 1920 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **JULY—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1365	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1375 1376 1377	Inglefield Bay	77 27	66 40	?	1006·8	..	— 3·6	..	282·1	16th	..	273·8	4th	..	*276·7*	..	..	..
1378	Upernivik	72 47	W56 7	18·9	1004·7	1007·0	— 4·5	282·2	288·8	10th	274·0	271·0	4th	278·1	*277·5*	—0·5	13	— 10
1379 1380 1381 1382 1383	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1006·4	1007·8	— 5·1	..	287·0	23rd	276·0	273·1	11th	..	277·9	+0·2	7	— 12
	Björnöen	74 28	19 15	40·5	999·7	1004·7	..	..	..	..	..	..	..	..	*279·7*	..	32	..
	Gjesvaer	71 6	25 22	6·5	1006·7	1007·5	— 4·1	..	295·7	7th	281·9	278·9	6th	..	*284·5*	+1·7	67	+ 16
	Mehavn	71 1	27 47	6·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Vardö	70 22	31 8	10·0	1006·8	1008·0	— 3·8	..	291·4	9th	282·5	280·6	5th	..	*284·3*	+2·7	26	— 21
1384 1385	Malye Karmakouly	72 23	52 43	14·8	?1008·3	?1010·1	— 2·9	283·2	292·4	27th	277·9	273·4	15th	280·6	*?280·2*	+1·0	..	..
	Waigatz	70 24	58 47	11·2	..	..	..	283·0	291·6	21st	277·0	269·9	14th	280·0	*279·9*	..	13	..
			N.	E.														

Between Latitude 70° N. and 60° N. **JULY—ZONE 2.**

1366 1367 1368 1369	Nome	64 30	165 24	6·7	..	1008·4	— 3·1	283·6	288·0	3rd, 5th	278·8	273·6	30th	281·2	*281·4*	—1·8	214	+145
	Candle	65 55	161 57	2·4	..	..	..	289·7	299·7	1st	278·9	272·4	1st	284·3	..	..	26	..
	Tanana	65 10	152 6	67·1	..	1013·2	+ 2·2	291·5	299·7	2nd, 31st	280·7	275·8	20th	286·1	*286·8*	—1·2	49	— 4
	Rampart	65 30	150 15	122	..	..	..	293·8	300·2	3rd	280·8	275·2	20th	287·3	..	..	27	— 10
1370 1371 1372 1373 1374	Valdez	61 7	146 16	8·2	..	1020·6	+ 4·2	287·9	294·1	27th	280·8	276·9	24th	284·3	*284·6*	—1·0	93	+ 21
	Eagle	64 46	141 12	254	..	1013·2	+ 3·1	296·9	306·9	10th	281·4	273·0	17th	289·1	..	+1·8	12	— 29
	Dawson	64 4	139 20	328	975·0	1013·3	— 0·2	298·0	306·3	10th	280·8	274·1	24th	289·4	..	+1·1	9	— 42
	Carcross	60 11	134 34	662	..	..	..	295·8	300·8	13th, 31st	278·0	272·4	25th	286·9	..	+1·7	7	— 22
	Fort Good Hope	66 25	128 53	65·2	1003·6	1011·3	..	297·4	308·0	11th	283·6	275·8	3rd	290·5	..	..	27	+ 21
	Fort Simpson	61 52	121 35	129	996·3	1011·5	..	297·4	305·2	16th	285·2	275·8	4th	291·3	..	+2·6	14	— 32
1386 1387 1388 1389	Hay River	60 51	115 20	161	993·1	1012·2	..	294·1	305·2	31st	283·6	278·0	11th	288·8	..	+0·2	23	..
1390 1391 1392 1393 1394	Jacobshavn	69 13	51 2	12·6	1005·1	1006·6	— 4·4	282·8	290·0	12th	277·4	274·7	5th	280·1	*280·5*	—0·2	29	— 2
	Godthaab	64 11	51 43	9·0	1003·4	1004·5	— 5·5	285·0	291·2	13th	275·9	272·6	29th	280·5	*279·5*	—0·1	..	..
	Ivigtut	61 12	48 10	5·0	1006·0	1006·6	— 3·7	286·4	291·2	25th	279·5	275·8	31st	282·9	*282·0*	—0·9	117	+ 34
	Angmagsalik	65 37	37 33	31·7	1002·8	1006·7	— 5·1	285·1	292·0	6th	276·1	271·3	1st	280·6	*280·5*	+0·9	48	— 6
1395 1396 1397 1398 1399	Stykkisholm	65 5	22 46	11·3	1003·2	1004·6	— 5·7	286·9	292·2	12th	280·7	276·9	23rd	283·8	*283·1*	+0·4	43	+ 5
	Vestmanno	63 26	20 15	7·7	1002·6	1003·5	— 6·5	287·8	292·1	7th	280·4	276·3	23rd	284·1	*284·4*	+0·7	97	+ 18
	Grimsey	66 33	17 58	22·0	1001·8	1004·5	— 6·3	283·3	288·8	5th	..	..	..	..	*280·2*	0·0	..	..
	Berufjord	64 40	14 19	18·0	1002·8	1005·0	— 5·6	286·2	293·2	19th	279·0	276·3	23rd	282·6	*282·4*	+0·6	120	+ 54
	Thorshavn	62 3	6 45	26·3	1001·9	1005·1	— 6·5	285·8	289·0	17th	281·2	277·0	3rd	283·5	*283·0*	—0·2	103	+ 23
	Lerwick	60 9	W 1 8	18·0	1005·8	1008·0	— 3·2	287·6	290·2	12th	282·1	279·1	4th	284·8	*285·2*	+0·4	88	+ 30
1400 1401 1402 1403 1404	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1003·6	1008·9	— 2·3	290·2	299·5	8th	284·8	281·1	26th	287·5	*287·0*	—0·3	250	+ 132
	Christiansund	63 7	7 45	5·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Trondhjem	63 26	10 25	39·5	1003·9	1008·6	— 2·4	292·7	303·0	10th	284·2	278·5	27th	288·5	*287·9*	+0·9	73	+ 6
	Bodö	67 17	14 24	22·4	1005·8	1008·5	— 2·3	..	293·4	6th	283·2	276·8	4th	..	*285·9*	+0·4	129	+ 58
	Haparanda	65 50	24 9	9·2	1006·9	1008·9	— 2·3	293·4	299·5	10, 11, 16	284·7	279·0	21st	289·1	*288·9*	+0·9	145	+ 99
	Helsingfors	60 10	24 57	11·7	1010·3	1011·8	+ 0·8	295·1	300·4	11th	287·1	283·2	27th	291·1	*291·3*	+1·5	61	+ 2
	Kuopio	62 54	27 40	90·3	999·2	1009·8	— 1·3	296·2	301·9	4th	287·0	282·2	6th	291·6	*291·8*	+2·5	44	— 18
1405 1406 1407 1408 1409	Kola	68 53	33 1	6·7	1007·8	1008·6	— 2·1	292·3	299·0	8th	283·0	274·6	13th	287·6	*287·9*	+2·6	98	+ 50
	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Arkhangelsk	64 35	40 36	6·2	1009·5	1010·2	— 0·4	295·4	303·2	4th	285·4	278·1	7th	290·4	*290·6*	+1·9	33	— 27
	Mezen	65 50	44 16	12·6	1008·8	1010·3	+ 0·4	292·2	299·7	2nd	281·8	273·2	14th	287·0	*287·4*	+0·8	59	+ 11
	Oust-Tsylma	65 25	52 14	? 70	1001·4	1009·8	+ 0·7	291·4	300·0	3rd	281·8	274·5	14th	286·6	*286·8*	—0·5	37	..
	Tcherdyn	60 24	56 31	?177	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1410 1411 1412 1413 1414	Berezov	63 56	65 4	39·9	1002·0	1006·8	— 2·7	..	298·4	30th	282·4	275·4	8th	..	*287·2*	—1·5	68	+ 11
	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Sourgout	61 15	73 24	? 40	999·8	1004·5	— 3·5	..	298·2	31st	283·5	276·8	8th	..	*288·8*	—1·0	73	+ 11
1415 1416 1417 1418 1419	Doudinka	69 23	86 4	20	1001·6	1004·0	— 3·2	..	295·8	8th	280·9	275·0	3rd	..	*284·9*	..	23	..
	Touroukhansk	65 47	87 57	45	998·7	1004·0	— 1·5	..	301·8	12th	284·5	271·4	1st	..	*289·0*	+0·2	144	+ 94
1420 1421 1422 1423 1424	Viliouisk	63 45	121 35	?120	996·6	1010·6	..	..	306·6	16th	286·8	281·0	31st	..	*293·7*	+2·6	36	+ 1
	Iakoutsk	62 1	129 43	108	992·7	1005·2	— 0·6	..	306·2	15th	286·1	281·4	8th	..	*293·4*	+1·8	8	— 33
	Verkhoïansk	67 33	133 23	100	990·6	1002·3	— 1·5	..	302·6	7th	281·5	272·5	30th	..	*289·1*	+0·8	..	..
			N.	E.														
			° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1005·7	— 5·5	..	..	..	..	..	..	..	..	..	..	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1012·8	— 3·3	286·9	294·1	21st	279·8	276·3	13th	283·3	..	—0·5	75	+ 10
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	291·1	295·2	4th	282·2	279·1	18th	286·6	..	..	82	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1017·9	+ 3·2	287·7	293·0	27th	280·4	277·4	21st	284·1	..	..	87	+ 2
309	Sitka	57 3	135 19	27·4	..	1021·0	+ 3·5	289·9	298·0	29th	281·7	278·6	3rd, 5th	285·8	*285·7*	0·0	21	— 81
310	Prince Rupert	54 18	130 18	51·8	1015·4	1021·7	+ 4·2	289·1	296·3	7th, 28th	281·9	278·6	3rd	285·5	*285·2*	—1·6	20	—122
311	Barkerville	53 2	121 35	1274	872·7	1018·0	+ 3·8	293·6	300·8	16th	279·1	272·4	3rd	286·3	*285·9*	+0·8	90	+ 10
312	Kamloops	50 42	120 29	385	973·8	1017·7	+ 1·8	304·1	309·1	28th	287·4	281·3	25th	295·8	*295·8*	+1·9	9	— 25
313	Calgary	51 2	114 2	1045	897·7	1015·5	+ 4·3	300·2	306·3	17th	283·0	279·1	5th, 6th	291·6	*290·9*	+2·7	125	+ 59
314	Fort Chipewyan	58 42	111 10	218	986·4	1011·7	..	296·3	302·4	17th, 21st	285·8	277·4	12th	291·1	*291·8*	+1·7	7	+ 60
315	Prince Albert	53 10	105 38	442	962·9	1013·6	+ 3·6	300·2	308·0	17th	284·1	278·0	13th	292·2	*292·1*	+2·5	21	+ 31
316	Qu'Appelle	50 30	103 47	645	940·2	1013·3	+ 1·3	300·2	309·7	18th	284·1	275·8	13th	292·2	*291·8*	+1·5	100	— 1
317	Minnedosa	50 15	99 50	515	954·5	1013·4	+ 1·2	299·1	306·9	18th	283·6	275·2	15th	291·3	*291·2*	+0·7	65	..
318	Berens River	52 18	97 23	216	..	..	..	296·2	302·4	30th	283·0	276·3	24th	289·6	..	—1·7	..	..
318*a*	Port Nelson	57 4	92 36	14·9	1010·3	1012·1	+ 1·9	290·8	302·4	26th	279·1	271·9	24th	284·9	..	—0·3	65	+ 15
319	Fort Hope	51 33	87 49	‡260	981·0	1011·6	..	294·1	300·8	27th	280·8	274·1	9th	287·4	*288·1*	—1·9	91	+ 32
320	Moose Factory	51 14	80 30	9·1	1009·3	1010·4	— 1·8	295·2	301·3	11th	279·7	275·2	2nd, 3rd	287·4	..	—2·4	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	288·3	298·6	11th	279·3	273·0	13th	283·8	*283·3*	..	80	— 11
322	Mistassini Post	50 15	73 55	383	..	..	..	292·8	299·7	6th	281·3	274·7	16th	287·1	..	—0·7	52	
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	290·9	298·0	15th	283·2	278·6	23rd	287·1	..	+0·6	96	+ 10
326	Belle Isle	51 53	55 23	133	..	..	..	..	..	..	..	..	..	..	..	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1012·2	1013·9	— 1·6	288·4	289·7	16th, 30th	284·8	283·0	4th	286·6	286·5	—1·4	123	+ 23
335	Aberdeen	57 10	W 2 6	26·8	1005·9	1009·1	— 3·5	288·8	293·0	19th	283·1	279·7	4th	285·9	285·9	—0·3	89	+ 17
336	Greenwich	51 28	0 0	46·3	1008·2	1013·6	— 1·5	293·8	297·4	17th	284·1	279·7	25th	288·9	288·2	—1·6	82	+ 25
337	Uccle	50 48	E 4 22	100	1003·7	1015·6	— 0·3	295·5	301·8	12th	284·8	279·8	28th	290·1	289·2	—0·4	129	+ 51
338	De Bilt	52 6	5 11	3·0	1013·9	1014·3	— 0·8	294·3	300·9	13th	284·9	278·3	28th	289·6	289·2	—0·9	99	+ 35
338*a*	Hamburg	53 33	9 58	26·0	1011·3	1014·4	+ 0·6	294·6	301·9	17th	287·1	282·6	28th	290·9	*290·7*	+0·7	135	+ 35
339	Copenhagen	55 41	12 36	5·0	1012·8	1013·4	+ 0·5	293·4	299·0	4th	287·8	283·9	28th	290·6	*290·3*	+0·9	61	+ 18
340	Potsdam	52 23	13 4	84·9	1005·2	1015·2	+ 0·8	297·8	305·5	18th	286·8	282·7	26th, 29th	292·3	291·9	+1·4	64	+ 18
340*a*	Uppsala	59 51	17 38	24	1007·5	1010·3	— 0·4	295·1	301·9	10th	284·7	280·7	31st	289·9	289·9	+0·7	63	+ 18
341	Warsaw	52 13	21 1	133	999·8	1015·2	+ 1·6	299·4	306·2	18th	288·6	283·0	26th	294·0	294·1	+2·2	95	— 55
342	Dorpat (Jurjev)	58 23	26 43	74·5	1004·6	1013·4	+ 2·4	298·5	306·4	4th	286·5	282·4	23rd	292·5	292·3	+2·3	28	— 5
343	Petrograd	59 56	30 16	4·8	1011·8	1012·4	+ 1·4	296·9	304·7	5th	288·1	284·5	27th	292·5	*292·8*	+2·2	59	— 44
344	Kiev	50 27	30 30	183	993·4	1014·6	+ 2·9	301·9	307·0	28th	289·8	284·7	1st	295·8	*295·4*	+2·6	34	— 39
344*a*	Moscow	55 50	37 33	167	993·9	1013·3	+ 2·7	300·3	309·4	31st	286·4	280·1	8th	293·4	*293·8*	+1·9	38	— 21
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1002·6	1011·9	+ 2·7	300·0	310·5	31st	286·5	282·1	8th	293·2	*292·9*	—0·3	41	— 21
347	Orenburg	51 45	55 6	109	996·7	1009·3	+ 1·2	301·2	308·5	31st	286·7	280·3	11th	294·0	*294·5*	0·0	32	— 5
348	Perm	58 1	56 16	159	990·4	1009·1	+ 0·6	..	304·0	6th	284·4	275·8	15th	..	*289·5*	—1·5	70	+ 17
349	Ekaterinburg	56 50	60 38	281	975·1	1007·8	— 1·5	294·2	303·7	31st	287·2	278·6	15th	290·7	*288·9*	—1·4	90	+ 6
350	Tobolsk	58 12	68 14	‡108	994·0	1006·7	— 3·0	..	302·5	2nd	284·2	280·9	16th, 19th	..	*289·2*	—2·1	67	— 18
351	Akmolinsk	51 12	71 23	‡347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	987·8	1006·5	— 0·5	..	304·3	12th	286·4	278·0	30th	..	*293·2*	+0·6	36	— 5
354	Tomsk	56 30	84 58	122	990·4	1004·6	— 2·5	..	305·7	12th	286·1	279·1	1st	..	*291·1*	+0·1	75	..
355	Minousinsk	53 43	91 41	249	977·2	1005·6	— 1·1	..	307·0	21st	287·5	281·1	1st	..	*294·7*	..	58	+ 13
356	Eniseisk	58 27	92 10	77·6	996·2	1005·3	— 1·8	..	304·4	13th	284·5	274·8	2nd	..	*291·3*	—0·5	93	+ 32
357	Irkutsk	52 16	104 19	467	953·4	1006·8	+ 0·2	..	304·2	18th	283·4	274·5	1st	..	*290·4*	—0·3	74	+ 6
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	674	928·4	1004·7	+ 0·4	..	306·7	22nd	284·9	276·8	4th	..	*291·5*	—0·1	59	— 27
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	960·3	1003·6	..	297·8	306·0	19th	284·7	275·8	6th	291·2	*291·5*	..	140	— 53
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	987·2	1003·4	— 1·2	300·4	306·6	21st	289·7	283·0	3rd	295·0	*294·9*	+0·8	70	..
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1005·2	1006·8	— 3·5	..	..	..	282·5	278·6	5th	..	*286·8*	..	55	..
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1009·1	1017·5	+ 0·8	293·0	305·8	7th	284·1	282·4	3rd, 5th	288·6	287·7	+0·2	25	+ 16
412	Portland, Oregon	45 32	122 41	46·6	1012·7	1017·9	+ 0·9	299·1	309·1	7th	286·9	283·0	4th	293·0	*292·8*	+0·7	30	+ 15
413	Macleod	49 44	113 24	953	..	..	..	301·4	306·9	31st	286·6	280·2	24th	294·0	*294·4*	+2·8	88	+ 37
414	Helena	46 34	112 4	1253	876·3	1015·6	+ 2·2	301·6	308·6	21st	286·0	279·7	7th	293·8	*293·5*	+1·1	19	— 10
414*a*	Salt Lake City	40 46	111 54	1329	868·6	1013·2	+ 1·2	305·3	309·7	21st	292·5	288·0	1st	298·9	*299·2*	+1·6	13	0
415	Cheyenne	41 8	104 48	1856	818·5	1016·2	+ 3·5	298·9	305·8	22nd	284·7	279·7	7th	291·8	*291·9*	—0·8	54	+ 4
416	North Platte	41 8	100 45	859	919·6	1016·6	+ 3·2	304·4	310·2	22nd	289·1	283·0	8th	296·8	*296·3*	0·0	41	— 30
416*a*	Bismarck	46 47	100 38	511	957·4	1016·9	+ 3·1	301·4	311·9	22nd	288·0	283·6	13th	294·7	*294·6*	+0·4	69	+ 12
417	Winnipeg	49 53	97 7	232	986·8	1013·8	+ 1·1	299·7	305·2	26th	284·7	276·9	15th	292·2	*292·2*	+0·2	19	— 61
418	Duluth	46 47	92 6	345	974·4	1015·2	+ 1·2	295·4	301·9	28th	284·8	279·7	15th	290·1	*290·6*	—0·2	122	+ 19
419	Port Arthur	48 27	89 12	196	990·7	1013·8	+ 0·1	295·8	301·9	10th, 28th	283·0	276·9	16th	289·4	*289·3*	—0·4	90	— 6
420	Chicago	41 53	87 37	251	986·4	1015·9	+ 0·7	290·4	309·7	23rd	290·5	286·9	25th	294·9	294·3	—0·7	41	— 47
421	Toronto	43 40	79 24	116	1000·7	1014·3	+ 0·1	298·0	303·6	30th	286·3	279·7	16th	292·2	291·4	—1·9	92	+ 15
422	New York (Central Park)	40 47	73 58	47·4	1009·8	1015·3	— 2·3	301·4	305·8	13th	291·0	285·8	27th	296·2	295·6	—1·4	157	+ 44
423	St. John, N.B.	45 17	66 4	36·2	1008·8	1013·1	— 0·4	293·0	301·3	9th	284·7	283·0	1, 5, 18	288·8	288·1	0·0	76	— 16
424	S.W. Point, Anticosti	49 24	63 35	9·1	1008·4	1009·5	— 0·9	289·7	293·6	14th	284·7	280·2	28th	287·2	*287·1*	+0·5	123	+ 40
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1010·2	1017·1	+ 1·0	291·3	294·7	30th	286·9	281·9	3rd	289·1	*288·8*	+0·9	99	+ 3
425	Port aux Basques	47 35	59 10	9·1	1012·5	1013·6	0·0	290·2	296·3	14th	284·1	280·2	3rd	287·2	*287·2*	+1·1	94	— 23
426	St. John's, Newfoundland	47 34	52 42	38·1	1009·8	1014·3	+ 1·2	296·9	305·2	15th	287·4	281·3	4th	292·2	*291·6*	+4·3	101	+ 11
435	Madrid	40 24	3 41	667	940·4	1014·7	+ 0·1	304·1	307·8	31st	289·5	285·5	28th	296·8	*296·1*	+0·7	6	— 4
436	Nantes	47 15	W 1 34	36·5	1012·9	1017·2	— 0·4	294·7	302·1	21st	284·5	281·0	28th	289·6	289·6	—2·1	46	— 11
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1010·8	1016·8	— 0·2	295·8	303·5	17th	284·9	280·0	28th	290·4	290·3	—1·0	119	+ 67
438	Marseille	43 18	5 23	75	..	1016·1	+ 1·0	301·3	306·7	21st	288·9	285·1	7th	295·1	*295·5*	+0·2	1	— 27
438*a*	Zürich	47 23	8 33	493	961·0	1017·7	+ 0·3	297·7	305·8	18th	285·2	280·2	5th	291·5	290·9	—0·6	123	— 6
439	Rome	41 54	12 27	50·6	1008·7	1014·5	— 0·5	304·5	308·8	20th	292·8	288·2	29th	298·6	*299·0*	+1·2	1	— 18
440	Vienna	48 15	16 22	203	992·2	1015·9	+ 1·1	296·3	302·5	18th	288·1	284·4	29th	292·2	292·2	—0·3	130	+ 60
441	Budapest	47 31	19 2	130	999·8	1015·0	+ 1·1	301·2	307·9	19th	288·9	284·3	30th	295·1	*294·8*	+1·0	116	+ 61
442	Sofia	42 42	23 20	550	952·8	1014·8	+ 2·1	301·7	307·0	9th	288·0	284·1	31st	294·9	*294·6*	+1·0	7	— 60
443	Bucharest	44 25	26 5	82	1005·1	1014·6	+ 1·8	303·0	309·2	9th	289·9	284·4	30th	296·4	296·3	+0·5	80	+ 13
444	Odessa (University)	46 26	30 46	42·8	1008·8	1013·8	+ 1·5	302·3	306·5	19th	292·9	286·8	21st	297·6	*296·7*	+1·3	6	— 43
445	Kharkov (University)	50 0	36 14	140	997·4	1013·6	+ 1·6	302·7	309·7	31st	287·7	282·3	10th	295·2	*295·1*	+2·1	30	— 36
446	Novorossiisk	44 44	37 49	37·1	1006·4	1010·7	— 0·3	298·9	307·5	25th	292·3	287·0	3rd	295·6	*297·0*	+1·0	39	— 17
447	Tiflis	41 43	44 48	404	965·1	1010·7	+ 0·3	301·7	306·9	31st	289·8	286·6	20th	295·8	*296·0*	—1·4	17	— 33
448	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
450	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Aralskoe More	46 47	61 42	56	..	..	..	..	306·4	27th	291·9	283·6	5th	..	*297·7*	—2·3	..	..
452	Tachkent	41 20	69 18	478	951·1	1003·9	— 0·4	307·6	313·0	20th	291·8	286·8	9th	299·7	*299·4*	—0·3	0	— 4
453	Narynskoe	41 26	76 2	?2015	794·2	1003·7	..	..	..	..	..	298·6	24th	281·5	277·3	9th	..	*287·3*	—3·0	71	..
454	Vernyi	43 16	76 53	841	..	..	..	301·7	307·0	4th, 20th	289·0	282·2	8th	295·4	*295·5*	..	50	..
455	Moukden	41 48	123 23	43·8	1000·0	1005·0	+ 0·9	306·2	311·9	1st	294·3	287·6	6th	300·3	299·7	+2·1	133	— 24
456	Joshin	40 40	129 11	31·9	1004·3	1008·0	+ 1·0	290·4	305·7	27th	293·2	286·1	11th	296·3	295·7	+2·9	45	— 78
457	Yuki	42 20	130 24	65·6	1000·1	1007·7	0·0	297·5	308·4	27th	291·6	287·9	6th	294·5	294·3	+1·8	65	— 62
458	Vladivestok	43 7	131 55	128	993·2	1008·1	— 0·1	295·8	306·5	27th	290·7	287·0	8th, 9th	293·2	292·7	+1·1	51	— 26
459	Ochiai	47 20	142 46	6·6	1008·2	1009·0	— 1·2	294·0	305·7	25th	285·6	279·9	6th	289·8	289·6	+1·7	119	+ 13
460	Nemuro	43 20	145 35	26·7	1008·1	1011·3	+ 1·2	292·6	299·7	4th	285·9	280·0	6th	289·3	288·8	+1·7	108	+ 11
460*a*	Syana	45 14	147 53	39·3	1006·6	1011·3	+ 0·6	292·1	299·9	29th	285·0	278·1	2nd	288·5	288·3	+1·9	64	— 16
		N.	E.															

Between Latitude 40° N. and 30° N.

JULY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1010·9	1016·6	+ 2·3	290·8	295·2	22nd	283·9	281·9	10th	287·3	*287·2*	+0·1	0	— 1
512	San Luis Obispo	35 18	120 39	61·3	1008·7	1016·2	+ 1·8	298·1	304·7	29th	283·4	280·2	12th	290·8	*289·6*	—0·3	0	0
513	San Diego	32 43	117 10	26·5	1010·8	1013·9	+ 1·0	295·4	298·6	17th	289·4	287·4	4th	292·4	*292·1*	—0·3	0	— 1
514	Modena	37 48	113 54	1670	836·3	1013·5	+ 2·0	303·7	306·9	7th	284·4	278·6	4th	294·0	*293·4*	—0·5	46	+ 9
515	Santa Fé	35 41	105 57	2138	792·5	1012·8	+ 1·2	300·3	302·4	7th	286·5	283·6	19th	293·4	*293·2*	—0·2	26	— 40
516	Denver	39 45	105 0	1613	842·2	1016·6	+ 3·9	302·1	307·4	22nd	288·5	284·1	7th	295·3	*295·1*	0·0	11	— 32
517	Abilene	32 23	99 40	530	954·9	1014·2	+ 1·0	308·3	311·9	17th	295·0	291·3	7th	301·7	*300·8*	—0·1	46	— 8
518	Saint Louis	38 38	90 12	173	995·6	1015·9	+ 0·7	304·2	310·2	23rd	293·8	289·1	25th	299·0	*299·0*	—0·2	19	— 71
519	Mobile	30 41	88 2	17·4	1015·9	1017·9	+ 1·6	304·1	307·4	8th	296·3	294·1	11th	300·2	*299·6*	—0·3	179	— 2
520	Nashville	36 10	86 47	166	997·9	1017·3	+ 1·2	303·3	306·9	24th	293·3	289·7	27th	298·3	*297·9*	—1·4	76	— 29
521	Charleston	32 47	79 56	14·6	1016·2	1017·9	+ 1·1	303·4	309·7	3rd	295·9	292·4	28th	299·7	*300·0*	—0·4	119	— 55
522	Washington	38 54	77 3	34·1	1011·8	1015·9	+ 0·5	302·5	308·0	24th	291·3	285·2	26th	296·9	*296·6*	—1·3	145	+ 29
530	Bermuda	32 17	64 46	46·0	1018·5	1023·9	+ 3·6	301·3	302·4	29th	295·2	291·3	1st	298·3	*298·2*	—1·2	89	— 29
531	Santa Cruz (Flores)	39 27	31 9	28	1026·5	1029·6	+ 3·7	296·8	299·8	27th	289·3	284·2	15th	293·1	*293·1*	—1·4	18	— 43
532	Horta	38 32	28 38	65	1020·7	1027·9	+ 2·9	297·1	300·7	25th	291·4	288·9	17th	294·2	293·8	—0·7	8	— 46
532*a*	Ponta Delgada	37 44	25 40	22	1024·7	1026·6	+ 2·5	296·5	298·9	13th	291·7	289·8	17th	294·1	293·9	0·0	..	..
533	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	42	+ 10
534	Madeira (Funchal)	32 37	16 54	25	‡1018·9	‡1021·8	+ 1·5	296·3	299·0	17th	291·6	289·6	5th	293·9	*294·1*	—0·1	0	— 3
535	Lisbon	38 43	9 9	95	1007·3	1018·4	+ 0·8	298·5	307·2	29th	289·5	286·8	9th	294·0	*293·4*	—0·7	0	— 5
536	Gibraltar	36 6	5 21	16·2	1015·2	1017·1	+ 0·1	300·4	305·3	25th	292·4	289·8	15th	296·4	*295·8*	—0·4	0	— 1
536*a*	Melilla	35 18	2 59	8	1015·8	1016·7	— 2·1	304·0	307·6	25th	294·3	290·8	1st	299·2	*299·9*	+0·5	1	+ 1
		N.	W.															

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

JULY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1013·9	1016·5	— 0·9	304·0	309·8	21st	293·4	289·0	15th	298·7	..	+0·7	25	+ 14
538	Algiers (Bouzaréah)	36 48	3 2	343	976·7	1015·4	— 0·3	302·0	312·6	21st	293·7	290·3	6th	297·8	297·4	+1·4	3	— 3
539	Tunis	36 48	10 10	21	1014·3	1016·7	..	304·7	311·0	22nd, 27th	292·6	287·2	13th	298·6	*298·0*	+0·4	0	— 1
539*a*	Malta	35 54	14 31	56·4	..	1015·9	+ 0·3	303·1	306·2	23rd	297·6	293·9	31st	300·3	*299·5*	+1·6	0	— 1
540	Riposto	37 41	15 14	14·2	..	1017·5	+ 1·2	301·9	306·0	10th	296·1	294·0	31st	299·0	*297·5*	−0·4	0	+ 7
541	Athens	37 58	23 43	107	1000·0	1012·1	+ 0·7	305·0	308·9	28th	295·5	291·5	15th	300·2	300·2	+0·4	14	0
542	Alexandria	31 12	29 53	32·0	1006·0	1009·6	0·0	303·7	304·9	27th, 28th	295·9	294·0	25th	299·8	*299·2*	+0·5	0	..
543	Cairo (Helwan)	29 52	31 20	116	995·5	1008·6	+ 0·4	307·7	310·7	12th	294·4	292·9	2nd, 22nd	301·1	300·9	0·0	0	— 2
544	Nicosia (P.W.D.)	35 9	33 22	159	987·9	1005·5	— 0·5	308·3	311·9	29th	294·7	291·3	13th	301·5	..	+0·3	0	— 1
544*a*	Beirut	33 54	35 28	33·7	..	1006·7	— 0·9	303·7	304·8	27th	296·2	295·1	6th	299·9	*299·9*	+0·4	0	0
545	Baghdad	33 21	44 28	38·1	..	999·2	— 0·8	313·7	315·3	14th	299·7	296·9	21st, 23rd	306·7	*304·8*	−1·1	0	..
546	Lenkoran	38 46	48 52	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Tehran	35 41	51 25	1220	..	..	..	307·9	312·2	15th	294·9	291·3	21st	301·4	*301·2*	−1·0	4	— 2
548	Meshed	36 16	59 35	946	..	..	..	306·7	309·8	16th	289·0	285·1	23rd	297·8	..	−0·3	0	..
549	Seistan	31 0	61 30	?	..	..	..	312·3	316·8	17th	..	..	..	..	..	..	0	..
550	Quetta	30 11	67 3	1677	825·1	..	— 0·9	310·2	312·9	14th	293·3	289·2	30th	301·8	*301·6*	+2·8	0	— 17
551	Peshawar	34 2	71 37	339	958·7	995·2	— 2·3	316·9	322·8	5th	301·7	296·7	31st	309·3	*308·8*	+3·6	7	— 163
551*a*	Lahore	31 34	74 20	214	972·8	996·1	— 1·3	312·5	317·9	12th	302·2	297·7	15th	307·3	*306·8*	+2·1	28	+ 180
552	Simla	31 7	77 8	2205	776·1	..	— 0·3	292·6	295·1	3rd, 4th	288·8	286·2	6th	290·7	*290·5*	−0·4	703	— 12
552*a*	Leh	34 10	77 42	3503	664·1	..	— 0·1	297·7	299·9	5th	283·7	281·0	1st	290·7	*289·7*	+0·1	0	..
559	Hankow	30 35	114 17	37·0	999·0	1003·1	— 1·0	306·7	312·8	31st	299·0	296·1	26th, 27th	302·9	*302·3*	+0·9	61	— 153
560	Tientsin	39 10	117 10	5·0	1004·6	1005·1	+ 1·1	306·8	312·2	1st	296·5	291·5	6th	301·7	*301·0*	+1·4	136	— 37
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1004·3	— 0·4	305·1	309·0	30th	296·8	293·8	1st	301·0	300·3	+0·4	148	— 8
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1000·0	1007·7	+ 1·3	301·0	306·5	23rd	294·4	292·2	3rd	297·7	297·2	+1·0	111	— 124
562*a*	Nagasaki	32 44	129 52	133	994·2	1009·3	+ 0·9	302·9	306·4	31st	296·0	294·8	10th, 11th	299·4	299·0	+0·5	114	— 23
563	Kyoto	35 1	135 44	42·9	1006·2	1011·1	+ 2·8	305·8	308·2	14, 15, 19	295·3	287·4	1st	300·5	299·6	+1·7	85	— 27
564	Tokyo	35 41	139 45	21·3	1009·2	1011·7	+ 2·4	303·6	305·5	14th	295·5	293·1	3rd	299·6	299·1	+2·0	118	— 49
565	Kanayama	37 53	140 46	24·6	1008·5	1011·3	+ 2·0	302·6	307·5	15th	293·0	286·0	1st	297·8	297·4	+2·7	112	— 50
566	Miyako	39 38	141 59	30·4	1006·9	1010·4	+ 1·0	301·0	307·3	15th	291·4	285·3	1st	296·2	295·5	+2·8	93	..

JULY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1019·6	+ 0·7	303·1	305·2	9th	295·3	293·0	28th	299·2	*298·7*	..	23	..
605	Honolulu	21 19	157 52	11·6	1015·3	1016·6	+ 0·1	301·6	302·4	..	296·2	294·7	..	298·9	*298·7*	+0·5	10	— 23
614	La Paz	24 10	110 20	12	1009·4	1010·7	..	314·8	318·4	31st	296·0	292·4	13th	305·4	..	..	0	..
615	Chihuahua	28 38	106 4	1423	862·0	1011·0	..	303·8	307·5	sev. dates	291·8	289·2	29th	297·8	*297·6*	..	30	..
616	Leon	21 7	101 41	1809	822·9	1008·8	+ 1·1	300·7	304·0	27th	287·7	285·3	18th, 19th	294·2	..	+0·1	125	— 61
616*a*	Monterry	25 40	100 18	528	954·6	1012·6	..	307·5	312·0	5th, 6th	292·8	291·0	18th	300·1	*300·5*	..	44	— 14
617	Tulancingo	20 5	98 22	2180	794·0	..	..	..	297·0	..	..	280·0	..	..	289·0	−0·9	34	— 14
618	Galveston	29 18	94 50	16·5	1015·3	1017·3	+ 1·6	303·3	304·7	20th	298·5	294·7	15th	300·9	*300·9*	−0·4	82	— 9
618*a*	New Orleans	29 57	90 4	16·2	..	1017·6	+ 1·6	304·8	306·9	25th	297·1	292·4	11th	300·9	*300·2*	−0·2	157	..
619	Merida, Yuc.	20 58	89 38	22	1014·1	1016·6	..	305·1	308·2	6th	296·1	294·8	18th, 20th	300·6	*300·0*	..	134	— 56
620	Havana	23 8	82 21	24·3	..	1018·3	+ 1·9	303·9	305·2	8th, 11th	297·3	295·4	19th	300·6	300·3	+0·3	75	— 61
620*a*	Key West	24 33	81 48	6·7	1017·4	1017·9	+ 1·1	304·4	305·2	25th	299·3	297·4	26th	301·8	*301·4*	−0·3	14	— 56
621	Nassau, Bahamas	25 5	77 21	7·3	..	‡1017·4	— 0·3	303·3	..	..	297·5	..	..	300·4	*300·5*	−0·8	68	..
622	Watling Island	24 6	74 26	33·5	1016·3	1020·1	+ 3·0	..	303·6	sev. dates	..	296·9	18th	..	*301·3*	..	..	..
633	Izaña	28 19	16 30	2367	773·1	..	..	294·4	299·6	12th	285·2	278·9	18th	289·8	*288·9*	..	0	+ 3
634	La Laguna	28 28	W16 20	547	954·1	1016·6	0·0	297·0	305·5	14th	287·9	286·4	29th	292·4	*291·8*	−1·0	7	..
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	— 23	..	..	..	310·2	313·0	sev. dates	294·4	292·0	1, 22, 28	302·3	..	..	0	..
642																		
643	Aswan	24 2	32 53	99·6	995·9	1006·8	+ 0·6	?313·6	?315·6	27th	298·9	297·0	24th	?306·2	*305·9*	+0·1	..	..
644	Tor	28 14	33 37	1·9	1006·0	1006·3	+ 1·4	307·8	312·3	13th	296·7	292·4	30th	302·2	*301·5*	+0·9	0	0
647	Bushire	28 59	50 53	4·3	996·5	997·1	— 0·2	306·4	308·4	4th	302·7	299·7	2nd	304·5	*303·8*	−0·6	0	— 68
648	Jask	25 44	57 47	4·0	996·0	996·5	— 1·9	309·5	312·1	29th	301·7	298·9	17th	305·6	*304·9*	−0·1	0	— 13
649	Karachi	24 53	66 57	4·0	997·6	998·0	— 1·0	304·9	306·7	25th	300·8	297·6	26th	302·9	*302·2*	+0·8	11	— 250
650	Jacobabad	28 17	68 29	56·7	989·0	995·1	— 1·2	315·9	319·6	9th, 12th	303·2	298·1	26th	309·6	*309·0*	+0·7	11	— 254
651	Jaipur	26 56	75 52	436	951·3	998·9	— 0·6	305·1	311·2	6th	297·8	295·9	27th, 30th	301·4	*300·6*	−1·7	452	— 134
652	Nagpur	21 8	79 5	310	967·4	1001·7	?+ 0·2	303·1	310·6	3rd	297·2	295·8	25th	300·2	*299·6*	−0·4	312	— 144
653	Allahabad	25 25	81 51	94·1	988·2	998·6	— 0·3	305·2	313·8	2nd	299·4	297·3	30th	302·3	*301·7*	−0·7	631	— 111
653*a*	Darjeeling	27 3	88 18	2266	771·4	..	— 1·1	293·9	297·2	15th	288·2	286·7	31st	291·1	*290·9*	+1·4	744	— 44
654	Calcutta	22 36	88 23	6·4	996·8	997·5	— 2·7	304·6	309·8	1st	299·4	298·0	27th	302·0	*301·8*	+0·4	368	..
655	Gauhati	26 8	91 41	59·7	994·0	1000·6	— 1·4	306·4	308·6	24th	299·1	297·8	1st	302·8	*302·2*	+0·8	232	— 42
655*m*	Cherrapunji	25 15	91 42	1314	861·6	..	— 1·0	296·2	300·7	24th	291·7	289·8	30th	294·0	*293·5*	+0·5	1278	— 120
655*a*	Akyab	20 11	92 56	6·1	1000·3	1001·0	?— 2·8	302·2	304·4	4th	297·2	295·8	30th	299·7	*299·8*	−0·5	2483	— 24
656	Mandalay	21 59	96 0	76·2	994·5	1002·9	— 1·3	308·7	312·3	13th	299·3	295·4	25th	304·0	*303·4*	+0·7	121	— 31
656*a*	Tengyueh	24 59	98 35	1633	?823·6	?992·1	..	297·2	301·9	22nd	290·7	289·7	14th	293·9	*293·2*	..	242	— 113
657	Phu Lien	20 48	106 38	116	987·2	1000·2	— 2·5	306·2	311·3	18th	298·9	296·3	3rd	302·6	301·8	+0·5	377	— 229
658	Moncay	21 31	107 51	9·0	999·1	1000·1	— 2·3	305·9	309·6	18th	297·9	295·9	9th	301·9	*302·1*	+0·4	303	— 71
659	Hongkong	22 18	114 10	33·2	..	1001·1	— 3·7	303·6	306·9	25th	299·2	297·4	20th	301·4	301·1	+0·3	611	..
660	Amoy	24 27	118 4	ca.3	1001·4	1001·7	— 3·7	303·3	308·0	16th	299·6	297·4	2nd, 19th	301·4	*301·2*	−0·6	170	— 148
661	Taihoku, Formosa	25 2	121 31	9·3	1001·8	1002·8	— 2·8	305·3	308·0	11th, 12th	297·2	295·3	8th	301·3	300·7	−0·3	373	— 195
661*a*	Basco	20 28	121 59	18·7	999·0	1001·4	— 3·8	303·9	306·2	10th	298·6	296·1	21st	301·3	*301·2*	0·0	481	— 70
662	Naha	26 13	127 41	10·5	1005·0	1006·2	— 1·5	305·0	306·7	7th	298·3	296·1	30th	301·6	301·2	+0·2	111	..
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1011·2	1011·6	+ 0·4	303·7	305·6	18th	297·8	295·5	8th	300·7	300·2	+0·1	127	+ 13
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

JULY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	956·3	1011·0	..	302·2	304·7	27th	296·9	295·5	7th	299·5	*298·8*	..	153	..
716	Morelia	19 42	101 7	1923	811·1	1008·7	..	294·6	297·2	30th	286·4	284·6	20th	290·5	*291·2*	..	113	..
717	Mexico, Tacubaya	19 24	99 12	2309	777·1	1013·9	+ 1·3	295·8	299·5	4th, 26th	283·8	281·5	15th	289·8	289·0	+0·3	149	+ 21
718	Salina Cruz	16 12	95 12	56	1006·2	1012·8	..	304·9	307·6	26th	297·8	295·2	31st	301·4	*300·9*	..	32	..
719	San Salvador	13 42	89 13	682	937·1	1012·4	+ 1·6	306·8	308·6	26th	291·2	289·6	21st	299·0	*297·1*	+0·5	252	— 34
721	Belize	17 29	88 12	5·2	1014·3	1014·9	+ 2·2	303·0	304·1	26, 28, 31	297·5	289·7	1st	300·3	*299·9*	−0·2	204	— 49
722	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·7	+ 1·7	304·4	305·6	sev. dates	295·3	294·1	11th	299·9	*299·4*	+0·1	144	— 6
723	Port au Prince	18 34	72 22	37·4	1012·3	1016·6	+ 1·4	307·6	310·3	21st	296·6	294·0	22nd	302·1	*301·0*	+0·3	49	— 13
724	Caracas	10 30	66 55	1042	901·2	1017·1	+ 1·3	297·7	300·2	23rd	288·7	286·7	30th	293·2	*292·4*	−0·8	99	— 14
724*a*	Montserrat	16 41	62 9	39·6	1012·4	1016·9	+ 1·1	303·7	305·8	27th	297·1	295·2	7th	300·4	*299·9*	..	124	..
725	Grenada (Richmond Hill)	12 5	61 46	155	‡996·4	‡1014·3	+ 0·9	301·6	303·6	7th	296·4	294·7	11th	299·0	*298·3*	−0·1	289	+ 40
725	Barbados	13 8	59 36	55·2	..	1015·6	+ 1·0	303·1	303·8	2nd	296·9	295·0	28th	300·0	*299·6*	+0·6	86	— 44
731	São Vicente, C. Verde Is.	16 54	25 4	11	1015·3	1016·6	+ 2·5	300·1	302·5	16th	..	..	..	..	*297·9*	+0·5	0	— 6
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1010·8	1015·4	+ 1·0	300·9	303·8	3rd	296·2	295·0	1st	298·5	*298·7*	−0·2	11	+ 1
733	Bathurst	13 27	16 36	1·8	1013·2	1013·4	+ 0·6	304·1	305·2	8, 9, 11	295·9	294·1	5, 11, 27	300·0	*300·2*	+0·5	115	— 162
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	306·6	309·1	2nd	296·6	294·1	13, 27, 28	301·6	..	+1·5	192	— 4
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	306·6	309·1	26th	292·4	289·7	13th, 15th	299·5	*298·8*	−0·9	75	— 88
738	Kaduna Capital	10 32	7 25	637	945·9	1017·9	+ 2·1	300·3	302·4	14, 17, 18	292·2	289·1	2nd	296·2	*295·6*	+0·1	172	— 36
740	Hadeija	12 40	10 5	?	..	..	..	306·0	311·3	1st	294·3	291·9	11th	300·1	*299·4*	−0·8	184	..
741	Maiduguri	11 47	13 11	361	..	..	..	307·2	311·3	19th	295·6	293·0	23rd	301·4	*300·8*	−0·2	220	+ 57
	El Fasher	13 32	25 18	730	..	..	..	?307·1	?309·8	27th	293·2	289·3	1st	?300·2	*298·9*	..	117	..
743	El Obeid	13 11	30 14	569	..	..	..	308·6	310·2	3rd	294·5	291·1	6th	301·6	*299·6*	−0·5	118	+ 26
743*a*	Khartoum	15 37	32 33	390	965·6	1008·6	+ 0·8	311·5	314·3	1st	298·3	295·4	30th	304·9	*304·5*	−0·5	103	+ 58
744	Port Sudan	19 37	37 13	5·5	1005·2	1005·9	+ 1·5	313·1	317·1	11th, 14th	300·9	297·2	9th	307·0	*306·3*	−0·1	0	— 10
745	Berbera, Somaliland	10 22	45 2	9·5	1004·1	1005·2	+ 0·2	315·5	317·4	9th, 13th	304·2	301·3	29th	309·9	*309·1*	−0·3	0	— 2
746	Aden	12 45	45 3	28·7	1001·3	1004·5	+ 0·5	306·6	308·0	10th	301·6	298·4	28th	304·1	*304·0*	+0·1	0	— 1
751	Bombay	18 54	72 49	11·3	1003·1	1004·2	— 0·4	302·2	304·8	2nd	298·7	297·1	7th	300·4	*299·6*	+0·2	559	— 76
752	Cochin	10 58	76 21	2·7	1010·6	1010·9	+ 0·7	301·7	303·4	6th	296·7	294·7	26th	299·2	*298·4*	+0·1	636	+ 39
752*a*	Kodaikanal	10 14	77 28	2343	769·2	..	+ 0·5	290·8	293·1	22nd	284·4	283·2	22nd	287·6	*287·6*	+0·3	82	— 45
753	Bangalore	12 59	77 38	920	907·6	1007·8	+ 0·3	301·4	303·7	29th	292·1	290·6	2nd	296·7	*295·7*	+0·4	23	— 84
754	Madras	13 4	80 14	6·7	1005·4	1006·2	+ 0·1	310·6	312·6	20th	300·2	297·7	13th	305·4	*304·4*	+1·6	53	— 50
754*a*	Vizagapatam	17 42	83 19	11·6	999·6	1000·9	— 1·1	306·8	310·9	12th	300·7	298·2	26th	303·8	*303·0*	?+1·7	16	— 96
755	Port Blair	11 40	92 40	17·7	1004·2	1006·3	— 1·3	302·6	304·1	10th	298·6	295·8	1st	300·6	*299·8*	+0·2	294	— 106
756	Rangoon	16 46	95 48	5·5	1004·9	1005·6	— 1·1	302·4	304·4	4th	297·2	295·8	25th	299·8	*298·8*	−0·2	666	+ 119
757	Saigon	10 47	106 42	17·2	..	..	..	303·7	305·0	24th, 26th	297·2	295·8	18th	300·4	*300·0*	−0·2	317	+ 42
757*a*	Cap St. Jacques	10 20	107 5	180	986·3	1006·8	0·0	..	..	..	..	..	..	..	..	..	..	..
759	Nhatrang	12 15	109 12	3·6	1003·0	1003·4	— 1·6	305·8	311·0	19th	298·0	296·8	13th, 14th	301·9	*301·4*	+0·3	29	— 24
760	Bolinao	16 24	119 53	7·1	1001·1	1002·0	— 3·3	303·7	306·6	8th	298·0	296·2	1st	300·9	*300·1*	+0·2	..	..
760*a*	Vigan	17 34	120 23	12·2	..	1002·9	— 3·2	303·5	307·0	3rd	297·2	295·6	18th, 19th	300·3	300·1	0·0	1661	+1001
761	Manila	14 35	120 59	14·2	..	1004·8	— 2·0	303·7	306·8	2nd	297·3	296·0	1st, 30th	300·5	299·9	−0·1	703	+ 264
765	Ormoc	11 0	124 36	5·6	1005·3	1006·0	— 1·2	305·2	307·0	2nd	298·0	295·2	4th	301·6	*300·9*	+1·4	228	— 60
765*a*	Guam, Ladrone Is.	13 24	144 38	20·4	1004·2	1006·8	— 0·8	302·8	305·4	4th	297·1	295·7	17th	299·9	*300·0*	−0·5	707	+ 329
		N.	E.															

Between Latitude 10° N. and 0°.

JULY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
771	Fanning Island	3 55	159 23	3·1	..	..	..	304·7	308·0	14th	297·9	295·8	15th	301·3	*300·8*	+0·9	94	— 121
772	Colon	9 23	79 23	11·0	..	1011·0	+ 0·5	302·8	304·1	11th	297·6	295·8	5th	300·2	*299·8*	+0·6	447	+ 40
773	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	89	+ 38
774	Merida, Venez.	8 36	71 9	1641	‡842·7	..	..	297·0	301·0	19th	288·4	286·5	31st	292·7	*291·6*	..	75	..
775	El Peru, Guayanavieja	7 19	61 49	220	987·6	1012·5	+ 0·4	303·2	305·2	19th	294·3	293·1	21st	298·7	*298·1*	+0·4	112	— 66
776	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1015·9	+ 2·2	302·3	303·8	5th	296·8	295·8	9, 15, 21	299·5	*299·3*	−0·1	174	— 77
777	Paramaribo	5 49	55 9	3·7	‡1015·2	‡1015·6	+ 1·7	302·8	304·9	28th	295·5	294·0	16th	299·1	*297·8*	−0·8	284	+ 79
778	Cayenne	4 56	52 21	6	..	..	..	304·7	305·2	25, 27, 28	294·3	293·0	21st, 22nd	299·5	*298·1*	−0·4	148	— 28
781	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
782	Freetown, Sierra Leone	8 29	13 9	68·3	1007·5	1015·4	+ 2·7	300·9	304·1	10th	295·2	293·6	8th	298·1	*297·2*	−0·8	1017	+ 113
783	Cape Coast	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	10	— 45
784	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	..	..	..	..	*‡298·9*	+0·4	0	— 43
785	Lagos	6 27	E 3 24	4·6	1014·1	1014·6	— 0·6	300·5	303·7	..	296·4	295·4	..	298·5	*298·1*	−0·1	243	— 28
786	Zungeru	9 48	6 10	130	..	..	..	302·7	305·2	8, 17, 22	294·8	292·4	7th	298·7	*298·2*	−0·3	141	— 54
787	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
788	Yola	9 12	12 30	259	..	..	..	303·2	306·3	19th	..	..	..	..	*‡298·4*	−0·2	145	— 16
791	Wau	7 42	28 3	440	..	..	..	..	..	..	293·9	292·5	8, 20, 30	..	*298·2*	+0·2	176	— 9
793	Malakal (Kodok)	9 35	31 37	394	967·5	1011·6	+ 0·3	304·3	307·3	29th	..	..	..	..	*‡297·1*	..	178	+ 32
793*a*	Mongalla	5 11	31 47	439	961·5	1010·2	+ 0·5	304·7	308·0	10th	293·5	291·0	12th	299·1	*297·2*	−0·2	191	+ 59
794	Entebbe	0 5	32 29	1171	886·0	1013·0	+ 1·0	297·3	298·8	29th	289·6	287·4	24th	293·4	*293·0*	−0·2	84	+ 9
795	Minicoy	8 17	72 49	2·1	..	1011·2	+ 1·2	302·1	302·6	20th, 23rd	298·0	296·2	24th	300·1	*299·3*	−0·2	65	— 99
796	Colombo Observatory	6 54	79 53	7·3	..	1010·2	+ 1·2	290·3	292

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	303·4	305·8	29th	296·1	294·0	5th	299·8	*299·1*	−1·1	269	+231
926	Taperinha	2 30	54 20	20·0	1011·3	1013·6	+ 0·5	302·0	305·0	24th	294·7	293·0	8th	298·4	*297·5*	−0·1	121	+ 53
927	Turyassu	1 43	45 26	15·1	1011·7	1013·4	+ 0·4	303·6	305·7	30th	294·7	293·2	5th	299·2	*298·5*	+0·2	185	+ 27
928	Barra do Corda	5 30	45 16	81·0	1003·0	1012·5	— 0·4	..	..	..	290·1	288·0	28th	..	*296·8*	−0·5	0	+ 28
929	Quixeramobim	5 16	39 15	207	991·4	1014·9	+ 0·5	302·3	304·2	30th, 31st	295·1	293·8	20th	298·7	*298·5*	−0·9	58	+150
930	Fernando Noronha	3 50	W32 25	106	1003·0	1015·2	+ 0·1	299·3	300·8	12th	296·0	294·1	13th	297·6	*297·6*	..	214	..
939	Loanda	8 49	E 13 13	59·3	..	1018·2	+ 2·5	295·0	297·0	7th	291·0	289·4	14th	293·0	292·7	0·0	0	− 1
940	Brazzaville	4 17	15 16	320	978·9	1015·3	— 0·1	301·1	304·0	3, 19, 28	292·4	290·0	sev. dates	296·8	*296·2*	+1·0	0	− 1
943	Masaka	0 21	31 47	?1280	..	..	..	297·9	299·7	10th, 16th	288·9	287·4	9th, 20th	293·4	*292·7*	+0·6	2	− 28
944	Nairobi	1 14	36 44	1800	..	..	..	291·9	300·8	6th	283·0	278·6	7th	287·4	*286·6*	−0·8	3	− 11
944*a*	Zanzibar	6 10	39 11	21·9	1018·0	1020·4	+ 1·5	299·8	300·8	23rd	295·7	295·1	27th	297·8	*297·2*	−0·1	3	− 59
945	Lamu	2 16	40 50	3·1	..	..	..	300·8	301·3	6, 13, 25	291·3	288·6	2nd	296·1	*295·5*	−1·1	30	− 44
947	Seychelles, Port Office	4 37	55 27	4·6	1013·7	1014·2	+ 0·6	299·8	300·7	..	297·6	296·7	..	298·7	*298·0*	+0·3	64	− 1
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	360	+ 73
958	Batavia	6 11	106 50	8·0	1009·1	1010·0	— 0·1	303·7	305·5	24th	295·8	294·2	30th	299·7	299·5	+0·6	7	− 59
958*a*	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	25	− 140
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	0	− 25
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	16	− 27
962	Ambo na	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	162	−424
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	116	− 44
965	Daru	9 4	143 13	7·6	..	1012·2	+ 0·8	302·1	..	..	..	..	..	..	..	..	68	− 33
966	Port Moresby	9 29	147 9	39·0	..	1012·0	+ 0·5	301·1	..	..	295·9	..	..	298·5	*298·1*	−0·1	3	− 27
967																		
968	Rendova	8 30	157 12	1·8	1010·2	1010·3	— 0·1	..	..	..	..	..	..	..	..	..	356	+ 35
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·9	1011·1	+ 1·0	303·0	304·7	21st	297·4	296·0	5th	300·2	*300·0*	+0·2	132	− 30
970	Ocean Island	0 52 S.	169 35 E.	54·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1012·0	0·0	303·1	305·5	26th	295·6	292·9	28th	299·4	299·4	+1·3	152	+ 85
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·4	304·1	4th, 12th	292·7	289·7	1st	297·1	*296·9*	+1·0	288	+227
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	762·4	..	+ 0·7	292·9	296·2	17th	283·0	280·3	31st	287·9	*287·3*	+1·0	1	− 1
1022	Puerto de Arica	18 28	70 20	5	..	..	..	291·5	293·0	4th, 5th	285·1	284·2	sev. dates	288·3	..	−0·8	0	0
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	730·0	..	..	288·8	292·2	31st	275·8	271·0	2nd	282·3	*282·1*	..	8	+ 4
1025	Corumba	18 59	57 39	116	1004·0	1017·8	+ 3·0	295·4	303·0	22nd	286·6	280·4	14th	291·0	*290·3*	−4·5	38	+ 31
1026	Cuyaba	15 36	56 6	165	996·9	1016·0	+ 2·4	301·1	307·6	23rd	288·6	284·3	14th	294·8	*294·2*	−3·2	30	+ 2
1027	Bello Horizonte	19 55	43 57	857	924·6	1021·2	+ 1·6	297·9	300·6	23rd	285·2	281·6	17th	291·5	*290·8*	+1·1	11	+ 8
1028	Caetite	14 3	42 37	900	919·5	1019·3	+ 1·1	297·0	299·6	30th	288·0	286·5	28th, 29th	292·5	*293·1*	+0·4	15	+ 34
1029	Ondina (Bahia)	13 0	38 31	46·6	1012·8	1018·3	+ 0·4	298·8	299·7	1st	294·0	293·0	19th	296·4	*296·4*	−0·1	110	+ 12
1030	Aracaju	10 54	37 3	4·0	1017·9	1018·4	+ 0·8	299·1	300·2	sev. dates	293·8	292·3	30th	296·5	*297·5*	−0·1	141	
1035	St. Helena	15 57	W 5 40	‡579	949·5	1016·7	+ 2·2	291·8	295·2	14th	285·0	283·6	14th	288·4	*288·1*	+0·4	114	
1039	Mossamedes	15 11	E 12 10	12·5	..	..	..	291·2	293·8	23rd	286·8	283·1	28th	289·0	*289·1*	..	0	
1042	Gwelo	19 28	29 48	1417	867·3	1023·3	+ 1·2	294·8	298·0	17th, 19th	279·4	276·9	15, 28, 31	287·1	..	+1·0	0	
1043	Salisbury, Rhodesia	17 48	31 5	1457	860·9	1021·2	— 0·6	294·3	297·4	17th, 18th	279·1	276·3	31st	286·7	*285·9*	+0·3	0	
1044	Zomba	15 23	35 18	996	913·6	1025·7	+ 0·3	295·1	298·6	18th	284·8	281·9	14th	289·9	*289·4*	+0·2	12	
1045	Antananarivo	18 55	47 32	1400	870·3	1026·1	+ 1·8	291·6	296·0	18th	281·6	277·1	28th	286·6	*285·4*	−0·9	10	
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	
1055	Cocos Keeling Is.	12 5	96 53	4·6	1013·2	1013·6	+ 1·2	300·5	301·8	26th, 27th	297·2	295·4	31st	298·9	*298·6*	0·0	127	− 59
1057	Christmas Island	10 25	105 43	5·5	1009·3	1009·9	+ 0·5	302·8	304·1	..	295·0	292·4	..	298·9	*298·2*	−0·6	68	+ 10
1061	Kupang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	21	+ 15
1061*a*	Derby	17 18	123 40	16·2	1012·7	1014·6	— 0·6	301·9	306·9	6th	289·3	285·1	29th	295·6	..	+0·5	0	+ 15
1062	Hall's Creek	18 13	127 46	374	973·5	1016·0	— 0·6	298·9	305·2	11th	285·7	280·1	2nd	292·3	*291·6*	+1·2	20	+ 4
1063	Darwin	12 28	130 51	29·6	1008·1	1011·5	— 1·0	304·9	307·1	3rd	290·1	292·4	23rd	300·5	*299·3*	+2·3	0	+ 7
1064	Daly Waters	16 16	133 23	211	988·0	1011·8	— 3·0	302·7	306·3	4th	289·9	282·4	26th	296·3	*295·6*	+2·8	1	− 7
1065	Mein	13 13	142 47	122	997·7	1011·5	— 0·6	301·6	303·1	15th	290·8	285·5	24th	296·2	..	−0·2	5	
1066	Georgetown, Queensland	18 22	143 32	302	981·3	1015·7	0·0	300·5	303·6	8th, 9th	286·4	277·4	24th	293·5	..	+0·4	0	− 55
1067	Samarai	10 37	150 40	15·2	..	..	..	301·1	..	..	295·4	..	..	298·3	*298·1*	0·0	6	− 17
1072	Suva, Fiji	18 8 S.	178 26 E.	17·7	1012·2	1014·3	— 1·3	298·8	302·6	24th	291·9	285·8	3rd	295·3	*295·1*	−0·8	100	− 17
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	296·7	298·6	sev. dates	292·8	287·4	25th	294·7	*294·5*	+0·4	79	+ 1
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·2	1018·5	+ 1·1	287·6	291·8	6th	281·6	278·0	11th	284·6	*284·2*	−0·6	2	− 32
1122	Iquique	20 12	70 11	9	1015·5	1016·6	+ 0·4	290·4	291·4	9th	286·7	285·2	29th	288·5	*288·3*	−0·9	0	− 1
1123	Catamarca	28 27	65 47	510	956·6	1016·8	+ 1·9	290·2	298·0	20th	275·9	268·0	13th	283·1	*282·7*	−2·7	7	+ 5
1124	Salta	24 46	65 28	1178	885·7	1019·0	+ 3·0	289·9	306·2	21st	276·1	265·5	14th	283·0	282·4	−2·2	2	+ 1
1125	Goya	29 9	59 15	26	1015·8	1019·0	+ 2·3	291·0	300·5	20th	280·7	273·0	10th	285·9	285·1	−2·2	31	− 15
1126	Asuncion	25 21	57 37	95	‡1010·0	‡1021·5	+ 3·5	294·0	303·0	7th	281·5	272·0	9th	287·7	287·0	−4·9	57	0
1127	Curityba	25 25	49 17	908	917·9	1021·5	— 0·3	290·9	297·6	22nd	280·8	268·7	10th	285·8	*285·5*	+0·2	123	+ 60
1128	Rio de Janeiro	22 54	W43 10	61·4	1013·4	1022·1	+ 0·8	297·0	302·8	28th	292·2	289·0	10th	294·6	294·6	+1·6	29	− 16
1139	Windhoek	22 35	E 17 5	1680	..	..	..	293·6	295·2	17th	281·1	277·5	26th	287·3	*287·1*	+1·2	0	− 1
1140																		
1141	Kimberley	28 42	24 47	1202	889·1	1025·1	+ 1·1	292·9	296·9	20th	276·7	270·8	18th	284·8	284·2	+1·6	0	− 28
1142	Johannesburg	26 11	28 4	1806	829·0	1025·8	+ 1·2	289·7	294·6	21st	278·6	275·1	12th	284·2	*283·7*	+0·9	1	− 11
1142*a*	Pretoria (Brooklyn)	25 46	28 13	1400	868·6	1024·5	+ 0·9	292·4	295·9	17th, 21st	277·9	273·7	1st	285·2	*284·7*	+1·6	0	− 8
1143	Bulawayo	20 9	28 35	1340	874·0	1022·6	+ 1·0	293·8	298·3	17th	280·9	276·4	17th	286·9	*286·5*	−0·1	0	− 7
1144	Durban	29 52	31 3	15·2	1024·6	1026·4	+ 2·5	295·3	300·9	3rd	285·8	282·5	20th, 31st	290·6	*290·1*	+0·3	69	− 1
1147	Lourenço Marques	25 58	32 36	59	..	1024·3	+ 1·8	297·6	304·0	16th	286·4	284·9	31st	292·0	291·5	+0·4	5	+ 38
1159	Mauritius	20 6	57 33	55·2	1015·6	1022·1	+ 1·7	296·0	297·4	7th	289·0	284·0	28th	292·5	292·2	−0·7	57	− 8
1160	Onslow	21 43	114 57	4·3	1014·6	1015·5	— 0·9	297·8	303·1	20th	283·3	277·4	28th	290·6	..	−0·3	7	− 6
1161	Peak Hill	25 38	118 47	588	949·1	1017·7	— 0·3	289·9	294·9	24th	278·9	273·0	1st	284·4	..	−1·7	17	− 17
1162	Nullagine	21 53	120 5	386	972·2	1016·6	— 1·1	295·2	299·1	12th	279·9	271·7	2nd	287·6	..	−1·0	0	− 1
1163	Laverton	28 40	122 23	466	965·3	1019·4	— 0·9	290·1	295·0	17th	275·9	268·8	1st	283·0	*282·9*	−1·4	9	− 14
1164	Alice Springs	23 38	133 37	587	950·2	1017·9	— 2·8	290·8	298·6	7th	278·4	273·0	2nd, 25th	284·6	285·1	+0·2	38	− 8
1165	William Creek	28 55	136 21	76·2	1010·0	1019·2	— 1·4	289·9	294·1	6th	276·8	273·0	29th	283·3	*283·0*	−1·0	2	+ 28
1166	Boulia	22 55	139 38	146	999·0	1016·1	— 1·4	294·7	300·5	27th	282·5	277·8	25th	288·6	288·3	+1·2	57	− 5
1167	Thargomindah	27 58	143 43	123	1003·9	1018·7	— 0·7	289·4	294·3	27th	280·7	277·6	18th	285·1	*284·8*	−0·2	55	+ 49
1168	Mitchell	26 32	147 52	336	979·7	1018·8	..	290·4	298·6	1st	278·8	271·9	25th, 26th	284·6	..	+0·8	112	+ 42
1169	Rockhampton	23 24	150 30	11·3	1015·8	1017·1	— 1·3	296·4	300·1	10th	284·6	276·2	26th	290·5	..	+1·0	21	+ 77
1170	Brisbane	27 28	153 2	41·7	1013·3	1018·3	— 0·1	293·1	296·1	28th	283·6	278·2	13th	288·3	*287·7*	+0·6	56	− 14
1171	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	− 3
1172	Norfolk Island	29 4 S.	167 59 E.	15·2	1014·8	1016·7	— 0·3	291·9	294·7	27th	287·4	283·0	14th	289·7	*289·3*	+0·5	109	− 52

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1201	Juan Fernandez	33 37	78 50	10	1019·2	1020·4	..	288·3	293·2	4th	282·0	279·3	15th	285·1	*286·1*	+0·5	103	− 50
1202	Punta Tumbes	36 37	73 6	91	‡1008·7	‡1019·8	+ 2·4	286·4	290·2	17th	279·0	276·0	8th, 14th	282·7	*282·6*	−0·7	25	− 59
1203	Punta Angeles, Valparaiso	33 1	71 38	41	1013·6	1018·6	+ 0·6	287·6	292·6	4th	280·0	277·2	14th, 15th	283·8	*283·5*	−1·5	26	− 81
1204	Santiago	33 27	70 42	520	957·6	1019·8	+ 1·4	287·9	294·7	27th	274·6	270·3	13th	281·3	*280·0*	−0·8	48	− 39
1205	Cordoba	31 25	64 12	423	969·2	1019·9	+ 2·9	289·9	298·8	..	273·2	264·0	..	281·5	281·1	−2·1	33	+ 25
1206	Bahia Blanca	38 45	62 15	25	..	1018·3	+ 2·9	284·8	291·5	28th	275·6	269·0	2nd, 11th	280·2	280·3	−0·9	52	+ 25
1207	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1020·4	+ 1·8	286·5	294·1	20th	276·7	269·4	9th	281·6	281·1	−2·0	26	− 30
1208	Montevideo (Prado)	34 52	56 12	24·9	1017·0	1020·0	+ 1·8	286·8	295·8	20th	277·5	272·5	25th	282·2	282·1	−1·1	53	− 11
1209	Porto Alegre	30 2	W51 13	23·5	1018·9	1021·7	+ 1·9	290·0	301·9	21st	281·5	271·9	10th	285·8	285·5	−1·1	120	+ 25
1239	Cape Town	33 56	E 18 29	12·2	..	1021·9	+ 0·4	290·1	298·0	12th	282·3	276·9	4th	286·2	*284·9*	+0·6	132	+ 39
1240	Danger Point	34 37	19 18	27·7	1017·1	1020·5	..	288·9	297·4	13th	283·0	278·6	5th	285·9	..	..	110	+ 18
1241	Riversdale	34 6	21 16	?61	1010·5	1017·9	..	292·8	301·3	14th	278·1	272·4	18th	285·4	..	..	50	..
1242	East London	33 1	27 54	9·8	1020·7	1021·9	+ 0·9	294·6	305·2	24th	282·2	281·3	12th	288·4	..	+0·3	38	+ 13
1259	Perth (Observatory)	31 57	115 51	60·0	1010·5	1018·0	— 0·9	289·8	294·9	22nd	280·8	274·8	30th	285·3	*285·4*	−0·6	149	− 17
1260	Katanning	33 42	117 35	310	980·0	1017·4	— 0·6	289·6	299·9	22nd	277·0	271·8	1st	283·8	..	−1·0	64	− 14
1261	Coolgardie	30 57	121 10	423	968·5	1018·4	— 1·2	288·9	294·8	23rd	276·4	271·3	1st	282·7	*282·6*	−1·0	18	− 5
1262	Eucla	31 45	128 58	4·6	1015·8	1016·3	— 3·2	289·7	296·3	25th	279·0	273·6	2nd	284·3	*284·1*	−1·1	23	0
1263	Streaky Bay	32 48	134 13	13·1	1016·4	1017·8	— 2·1	288·2	293·8	19th	281·0	277·5	13th, 24th	284·6	*284·4*	0·0	92	+ 32
1264	Adelaide	34 56	138 35	42·7	1013·0	1018·1	— 2·2	288·2	291·5	20th	280·0	276·7	15th	284·1	*284·0*	+0·2	73	+ 6
1265	Melbourne	37 49	144 58	35·1	1013·6	1017·8	— 1·3	287·1	292·6	28th	278·6	274·1	17th	282·8	*282·6*	+0·6	39	− 7
1266	Bourke	30 13	145 58	110	1008·5	1022·1	— 0·2	289·3	294·7	29th	279·2	275·2	12th	284·2	..	+0·1	44	+ 21
1267	Sydney	33 51	151 13	44·5	1013·5	1018·9	+ 0·5	289·4	292·8	1st	281·4	277·5	13th	285·4	*284·7*	+0·9	149	+ 26
1268	Lord Howe Island	31 20	159 0	4·6	1015·9	1016·4	— 0·4	292·0	295·1	31st	287·0	282·3	14th	289·5	..	+0·6	285	+ 83
1272	Auckland	36 50	174 50	38·1	..	1019·6	..	286·9	289·7	10th, 11th	280·1	275·2	1st	283·5	..	−0·4	95	− 33
1273	Napier	39 32 S.	176 53 E.	21·3	..	1020·0	+ 8·2	286·2	291·3	3rd	277·7	273·6	1st, 28th	281·9	..	−0·5	105	+ 8

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	104	..	1013·3	..	..	..	..	..	..	..	..	..	..	107	0
1302	Isla Guafo	43 34	74 45	140	1000·4	1017·5	+ 2·9	282·9	285·6	3rd	278·4	275·6	12th	280·7	*280·1*	0·0	84	− 35
1303	Punta Galera	40 1	73 44	40	1015·5	1020·4	+ 5·2	283·3	286·0	4th	278·7	275·4	12th	281·0	*281·4*	−0·9	164	−195
1304	Sarmiento	45 30	69 0	274	..	1012·8	..	282·6	287·6	25th	271·8	262·0	12th	277·2	276·1	+0·1	1	− 25
1305	Punta Madryn	42 49	W64 58	14	..	1017·1	..	285·8	295·0	20th	274·6	267·0	9th	280·2	279·9	+0·1	7	− 6
1306	Launceston	41 27	E147 10	10·1	1013·6	1014·7	+ 0·2	286·0	288·0	31st	277·3	271·3	16th	281·7	*281·3*	+1·7	92	+ 15
1307	Hobart	42 53	147 20	53·9	1007·2	1013·8	+ 0·2	285·4	288·0	1st	277·9	275·1	18th	281·7	*281·3*	+1·3	20	− 34
1308	Invercargill	46 25	168 21	5·5	..	..	..	283·8	289·1	2nd	276·3	269·1	25th	280·1	..	+2·0	103	+ 16
1309	Dunedin	45 52	170 31	91·4	..	1019·0	+ 7·1	284·4	291·9	1st	277·4	272·4	22nd, 24th	280·9	..	+2·2	38	− 38
1310	Christchurch	43 31	172 39	7·6	..	1019·3	+ 5·9	284·4	292·4	3rd	275·6	269·0	27th	280·0	..	+1·1	36	− 35
1312	Wellington	41 16 S.	174 46 E.	2·4	..	1020·4	+ 7·2	285·4	288·9	9th	278·3	271·1	25th	281·8	..	+0·1	61	− 82
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

JULY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	996·7	1003·5	+ 1·5	278·2	281·0	2nd, 24th	274·7	271·6	4th	276·5	*276·5*	—0·4	318	+ 86
1422	Puerto de Punta Arenas	53 10	70 54	4	..	..	..	..	..	..	..	..	..	..	..	..	44	— 13
1423	Punta Dungeness	52 24	68 26	5	1001·2	1001·8	— 0·4	278·0	282·0	3rd	274·3	273·0	4th, 12th	276·1	*276·1*	+0·6	11	— 11
1424	Santa Cruz	50 11	68 21	12	1005·6	1007·1	— 0·6	279·5	285·9	3rd	271·2	262·4	9th	275·3	275·1	+0·2	6	+ 13
1424*a*	Año Nuevo	54 39	64 8	50	992·0	998·2	— 0·9	276·8	280·2	3rd	272·9	267·2	6th	274·8	275·2	+0·4	58	— 4
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	52	..
1426	Cape Pembroke	51 41	57 42	21	..	1001·9	— 0·7	277·7	281·3	3rd	272·7	266·9	6th	275·2	275·8	+0·2	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	993·9	994·4	— 3·6	274·5	279·7	13th	268·8	261·8	9th	271·7	*271·8*	+1·0	111	— 28

JULY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	990·4	991·3	— 3·3	267·0	275·2	12th	257·7	243·5	27th	262·3	263·0	+0·6	49	+ 19
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JULY 1920.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s.	17h.	9h. 17h.	7h. 21h.	9h.	9h.		9h.
1	SE	8·7	SE	SW 2 SW 3	S 2 S 1	ESE 2	SE 8	.. ..	SE 4
2	SE	8·1	SE	SW 1 SW 2	SE 2 SE 1	ESE 2	SE 8	.. ..	SE 4
3	SE	7·7	SE	SW 2 S 1	S 2 S 1	E 1	SE 6	.. ..	SE 3
4	SSE	9·1	SE	ENE 1 Calm 0	W 2 SE 1	E 3	SE 4	.. ..	SW 3
5	SSE	9·5	SE	Calm 0 Calm 0	S 1 E 2	SE by S —	SE 2	.. ..	SW 2
6	SSE	8·8	SE	SW 1 SW 3	SE 1 S 1	E 6	Calm 0	.. ..	SW 1
7	SSE	6·6	SE	SW 1 Calm 0	S 1 E 1	ESE 3	SE 2	.. ..	Calm 0
8	SE	5·1	SE	Calm 0 SW 1	W 1 S 2	SE 3	SE 4	.. ..	Calm 0
9	SSE	3·5	SE	Calm 0 SW 3	S 1 S 1	ESE 5	SE 4	.. ..	Calm 0
10	Calm	4·4	SE	NE 2 SW 2	W 1 S 2	SE 2	SE 2	.. ..	Calm 0
11	S	6·0	SE	SW 1 SW 4	SSE 1 E 1	SE 2	SE 2	.. ..	Calm 0
12	SSE	3·6	SE	Calm 0 SW 2	W 1 SE 1	SE 3	SE 4	.. ..	Calm 0
13	Calm	1·8	SE	Calm 0 Calm 0	E 1 E 1	SE 3	SE 2	.. ..	Calm 0
14	S	3·8	E	SE 2 SE 1	S 1 S 1	S 4	ESE 4	.. ..	NE 2
15	SSE	5·9	E	W 1 SSW 2	SE 1 S 2	SE 2	SE 4	.. ..	SE 4
16	SSE	6·8	Calm	SW 1 SW 4	SE 1 SE 1	E 3	ESE 6	.. ..	SE 2
17	SE	4·9	E	Calm 0 SW 3	SE 2 S 1	SE 2	SE 6	.. ..	SE 2
18	Calm	2·7	E	E 1 SW 3	E 1 SE 2	ESE 3	SE 2	.. ..	SE 3
19	SE	3·6	SE	Calm 0 SW 4	SE 2 S 1	SE 3	Calm 0	.. ..	NE 3
20	SE	2·5	SE	Calm 0 SW 2	S 1 SE 1	ESE 3	Calm 0	.. ..	NE 2
21	Calm	2·1	SE	SW 2 SW 5	E 1 E 1	NE 3	Calm 0	.. ..	NE 2
22	SE	6·7	SE	SW 4 SW 5	S 1 SE 1	NE 3	Calm 0	.. ..	NE 1
23	SSE	10·4	SE	Calm 0 SW 5	SE 1 E 1	E 3	Calm 0	.. ..	E 0
24	SSE	12·3	SE	Calm 0 SW 5	N 2 N 2	ESE 2	Calm 0	.. ..	Calm 2
25	SSE	12·0	SE	Calm 0 SW 3	SW 1 E 1	ESE 2	Calm 0	.. ..	SE 3
26	SE	7·5	SE	Calm 0 SW 1	E 1 S 1	ESE 2	ESE 6	.. ..	S 0
27	SSE	6·7	S	Calm 0 Calm 0	E 1 E 1	ESE 2	Calm 0	.. ..	Calm 0
28	SSE	8·8	S	Calm 0 SW 1	E 1 Calm 0	ESE 2	Calm 0	.. ..	Calm 2
29	SSE	8·3	SE	SW 1 SW 4	N 1 S 1	ESE 2	Calm 0	.. ..	SE 1
30	SSE	7·9	SE	S 2 SSW 5	SE 1 S 1	E 2	ESE 2	.. ..	NW 0
31	SE	8·1	SE	Calm 0 SW 4	E 1 SE 2	NE 2	ESE 2	.. ..	Calm 1·5
Mean	..	6·6	..	0·8 2·5	1·2 1·2	2·7	2·6	.. ..	
§Resultant	150° (80)	..	130° (90)	215° (54)	145° (61)	110° (85)	130° (62)	..	125° (31)
§Normal	139° (86)	6·9	‖118° (75)	261° (37)	240° (26)	92° (88)	132° (88)	100° (58)	98° (51)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 7608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JULY 1920.

‡‡ *Kara Sea.*—The area covered was 246 × 10^3 sq. km. compared with a normal of 240 × 10^3 sq. km.

‡‡ *Barents Sea.*—The eastern part of the sea with Kara Strait and Jugor Strait was free of ice as far north as Cape Nassau ; in the western part the ice edge curved westward from Hope Island to 76° N., 19° E. The area covered was 459 × 10^3 sq. km. compared with a normal of 519 × 10^3 sq. km.

‡‡ *Spitsbergen.*—The west coast with its fiords, and Storfiord from South Cape towards the Thousand Isles, were free of ice. A belt of scattered ice drifting south-west was met with between Edge Island, Hope Isle and South Cape.

‡‡ *Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 4 days visible and 1 day heavy.

‡‡ *Greenland Sea and Denmark Strait.*—The bay ice broke up on July 1st. Off Angmagsalik there was ice as far out as might be seen, closely packed at first but scattering slowly from the 20th onwards. The area covered was 765 × 10^3 sq. km. compared with a normal of 718 × 10^3 sq. km.

‡‡ *N. Atlantic and Labrador.*—Eighteen icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being twenty-six. They did not reach so far south and east as usual. Icebergs and much drift ice were lying in Belle Isle Strait, and off the Strait the ice reached to about 150 miles east of Belle Isle.

‡‡ *Davis Strait and Baffin Bay.*—A belt of scattered ice of normal width extended close inshore from Cape Farewell to Nunarsuit, thence to Fiskernaes; the belt was much wider than usual reaching 55° W., but there was a landwater of varying width. Later the ice drifted north and was first seen at Godthaab on the 26th. From Godthaab to Upernivik the coast was free of ice. Off Cumberland Sound and Cape Dier the edge of close west ice drifting south occurred along 60° W. Icebergs were numerous.

‡‡ *Melville Bay and Smith Sound.*—Melville Bay was completely free of ice from the middle of the month. Open water was met with from Cape York to Cape Atholl and on the 26th the ice left North Star Bay.

‡‡ *Bering Sea and Bering Strait.*—Amundsen's ship the "Maud" left her winter quarters at Aion Island on the 7th and began to break through the ice eastwards, taking advantage of a narrow expanse of open water close to the coast. On the 10th and 11th difficult polar ice was encountered between Cape Billings and Cape North.

‡‡ *Isforholdene i de Arktiske Have*, 1920, published by the Danish Meteorological Institute

RÉSEAU MONDIAL, AUGUST 1920.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF AUGUST 1920 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **AUGUST—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1425	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Inglefield Bay	77 27	66 40	?	1008·0	..	— 0·8	..	280·3	6th	..	271·6	27th, 31st	..	*275·6*	..	..	..
1427	Upernivik	72 47	W56 7	18·9	1004·2	1006·5	— 4·7	281·1	285·6	8th	274·7	272·5	2nd, 21st	277·9	*277·5*	—0·4	25	— 3
1428	Spitsbergen(GreenHarbour)	78 2	E14 14	11·4	1007·8	1009·2	— 3·3	..	287·4	9th	276·1	272·8	31st	..	278·1	+1·1	20	— 1
1429	Björnöen	74 28	19 15	40·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1430	Gjesvaer	71 6	25 22	6·5	1009·9	1010·7	— 0·4	..	293·7	7th	281·5	278·3	30th	..	*284·0*	+0·9	99	+ 55
1431	Mehavn	71 1	27 47	6·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1432	Vardö	70 22	31 8	10·0	1009·9	1011·1	— 0·7	..	289·0	23rd	281·9	278·4	20th	..	*283·7*	+1·8	140	+ 86
1433	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1434	Waigatz	70 24	58 47	11·2	..	..	..	284·4	291·0	17th	279·8	277·2	31st	282·1	*282·0*	..	42	..
		N.	E.															

Between Latitude 70° N. and 60° N. **AUGUST—ZONE 2.**

1426	Nome	64 30	165 24	6·7	..	1004·4	— 4·6	285·5	293·0	11th	278·9	270·2	25th	282·2	*282·4*	—0·6	72	+ 4
1427	Candle	65 55	161 57	2·4	..	..	..	?289·8	..	..	?276·7	267·4	27th	?283·3	..	..	29	..
1428	Tanana	65 10	152 6	67·1	..	1005·7	— 3·4	291·0	300·2	1st	277·8	268·6	28th	284·4	*284·9*	—0·9	44	— 10
1429	Rampart	65 30	150 15	122	..	..	..	291·4	299·7	1st	278·3	270·2	28th	284·9	..	..	45	+ 5
1430	Valdez	61 7	146 16	8·2	..	1011·8	— 1·9	285·2	289·1	2, 8, 9	279·1	275·2	15th	282·1	*282·1*	—1·6	193	+ 46
1431	Eagle	64 46	141 12	254	..	1007·4	— 2·3	292·6	301·9	3rd	277·7	270·2	23rd	285·1	..	+1·0	19	— 35
1432	Dawson	64 4	139 20	328	969·4	1008·1	— 5·1	292·4	301·3	3rd	277·4	270·2	30th	284·9	..	—0·4	41	+ 1
1433	Carcross	60 11	134 34	662	..	..	..	289·8	296·9	10th	277·2	269·7	24th	283·5	..	—0·2	10	— 12
1434	Fort Good Hope	66 25	128 53	65·2	1000·3	1008·1	..	291·9	300·2	4th	278·6	270·8	31st	285·2	..	..	43	+ 32
1435	Fort Simpson	61 52	121 35	129	992·4	1007·9	..	292·4	301·9	6th	281·3	273·6	18th	286·9	..	+0·7	60	+ 31
1436	Hay River	60 51	115 20	161	989·8	1008·9	..	291·9	301·3	6th	282·4	276·9	15th	287·2	..	+0·3	64	..
1501	Jacobshavn	69 13	51 2	12·6	1005·6	1007·1	— 3·3	281·0	289·5	29th, 30th	276·2	273·8	22nd	278·6	*278·6*	—1·0	86	+ 50
1502	Godthaab	64 11	51 43	9·0	1004·0	1005·1	— 4·3	281·8	287·2	16th	275·0	273·4	sev. dates	278·4	*277·7*	—1·5	..	..
1503	Ivigtut	61 12	48 10	5·0	1007·5	1008·1	— 1·7	284·1	287·5	5th, 29th	277·9	275·2	21st	281·0	*280·6*	—0·9	135	+ 39
1504	Angmagsalik	65 37	37 33	31·7	1004·6	1008·5	— 3·8	282·5	288·0	13th	275·3	272·3	27th	278·9	*278·4*	—0·4	84	+ 21
1505	Stykkisholm	65 5	22 46	11·3	1009·8	1011·2	+ 1·4	286·2	292·4	30th	279·8	275·2	28th	283·0	*282·3*	+0·1	68	+ 27
1506	Vestmanno	63 26	20 15	7·7	1010·7	1011·6	+ 2·6	285·8	290·3	4th	280·4	275·5	28th	283·1	*283·1*	—0·1	137	+ 59
1507	Grimsey	66 33	17 58	22·0	1008·8	1011·5	+ 0·8	283·5	288·5	30th	..	..	..	..	*280·7*	+0·9	..	..
1508	Berufjord	64 40	14 19	18·0	1009·5	1011·7	+ 2·2	286·3	290·2	11, 13, 14	278·9	275·7	6th	282·6	*282·6*	+1·2	23	— 57
1509	Thorshavn	62 3	6 45	26·3	1011·6	1014·8	+ 4·9	285·6	288·0	20th, 22nd	280·5	275·3	19th	283·1	*282·7*	—0·5	44	— 48
1510	Lerwick	60 9	W 1 8	18·0	1013·7	1015·9	+ 6·1	286·4	289·1	3rd	281·3	278·0	18th	283·9	*284·3*	—0·7	32	— 44
1511	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1009·0	1014·4	+ 3·7	289·0	294·1	21st	283·2	280·5	27th	286·1	*286·0*	—0·8	80	— 79
1512	Christiansund	63 7	7 45	5·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1513	Trondhjem	63 26	10 25	39·5	1009·5	1014·3	+ 3·7	289·7	296·0	1st	281·7	276·3	30th	285·7	*285·1*	—1·2	45	— 31
1514	Bodö	67 17	14 24	22·4	1009·9	1012·6	+ 2·2	..	292·0	7th	282·3	277·6	16th	..	*284·9*	—0·4	52	— 31
1515	Haparanda	65 50	24 9	9·2	1011·9	1013·0	+ 2·2	290·7	296·0	2nd	281·7	274·5	30th	286·2	*286·3*	+0·7	25	— 29
1516	Helsingfors	60 10	24 57	11·7	1012·4	1013·9	+ 2·4	291·1	293·6	30th	285·4	282·5	10th	288·2	*288·2*	—0·2	94	+ 21
1517	Kuopio	62 54	27 40	90·3	1003·2	1014·0	+ 2·5	291·2	298·2	1st	283·9	279·7	22nd	287·6	*287·9*	+1·2	59	— 13
1518	Kola	68 53	33 1	6·7	1011·8	1012·6	+ 2·0	289·7	297·1	7th	281·7	276·2	23rd	285·7	*285·6*	+1·8	53	+ 9
1519	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1520	Arkhangelsk	64 35	40 36	6·2	1014·7	1015·4	+ 4·4	293·1	306·4	1st	284·0	277·0	31st	288·6	*288·2*	+1·7	41	— 21
1521	Mezen	65 50	44 16	12·6	1013·4	1014·9	+ 4·7	291·5	302·9	1st	281·3	274·0	24th	286·4	*286·6*	+2·6	61	+ 9
1522	Oust-Tsylma	65 25	52 14	? 70	1006·3	1014·8	+ 3·8	291·8	300·1	2nd	281·9	274·2	25th	286·8	*286·8*	+2·1	16	..
1523	Tcherdyn	60 24	56 31	?177	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1524	Berezov	63 56	65 4	39·9	1008·3	1013·1	+ 1·9	..	?293·6	19th	?281·3	276·1	22nd	..	*285·5*	—0·4	..	..
1525	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1526	Sourgout	61 15	73 24	? 40	1007·5	1012·3	+ 2·1	..	294·9	3rd, 18th	280·6	272·7	31st	..	*286·3*	—0·6	87	+ 6
1527	Doudinka	69 23	86 4	20	1009·5	1011·9	+ 1·9	..	294·1	9th	280·6	273·3	28th, 29th	..	*284·5*	..	51	..
1528	Touroukhansk	65 47	87 57	45	1007·9	1013·3	+ 3·4	..	294·6	16th	281·7	267·5	29th	..	*285·7*	+0·3	37	— 21
1529	Viliouisk	63 45	121 35	?120	1001·4	1015·7	..	..	299·3	20th	282·1	273·2	30th	..	*288·8*	+1·3	29	— 12
1530	Iakoutsk	62 1	129 43	108	996·2	1009·0	0·0	..	301·4	24th	282·4	274·7	30th	..	*287·8*	—0·3	29	— 17
1531	Verkhoïansk	67 33	133 23	100	995·5	1007·5	— 0·1	..	295·4	24th	276·2	266·6	30th	..	*285·5*	+2·4	..	..
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1002·0	— 6·1	281·6	283·6	9th, 10th	278·7	278·0	sev. dates	280·1	..	..	122	+ 1
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1005·1	— 7·1	284·8	288·0	16th, 22nd	279·6	276·9	7th	282·2	..	—1·5	81	— 1
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	288·1	293·0	11th	279·9	273·0	27th	284·0	..	..	70	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1006·4	— 4·6	285·6	290·2	27th	280·7	278·0	sev. dates	283·1	..	..	215	+ 69
309	Sitka	57 3	135 19	27·4	..	1015·9	+ 0·1	289·1	294·7	9th	282·4	277·4	25th	285·8	*285·4*	—0·1	267	+ 86
310	Prince Rupert	54 18	130 18	51·8	1013·4	1019·7	+ 2·6	289·7	294·1	10th	283·0	278·0	30th	286·3	*286·2*	—0·5	218	+ 90
311	Barkerville	53 2	121 35	1274	871·5	1017·3	+ 1·7	291·3	297·4	12th	277·4	271·9	30th	284·4	*283·9*	—0·7	83	+ 1
312	Kamloops	50 42	120 29	385	973·2	1017·5	+ 0·8	301·9	309·1	6th	285·8	279·1	29th, 30th	293·8	*293·8*	+0·7	30	+ 3
313	Calgary	51 2	114 2	1045	895·9	1013·5	+ 0·7	299·1	306·3	7th, 13th	281·3	272·4	29th	290·2	*289·7*	+2·4	2	— 62
314	Fort Chipewyan	58 42	111 10	218	983·6	1009·1	..	294·1	302·4	6th, 7th	283·0	271·3	20th	288·6	*289·2*	+1·0	30	+ 11
315	Prince Albert	53 10	105 38	442	960·6	1011·4	— 0·2	299·1	306·3	7th, 13th	284·1	277·4	20th	291·6	*291·1*	+3·7	67	+ 5
316	Qu'Appelle	50 30	103 47	645	937·7	1010·7	— 2·3	300·2	308·6	25th	283·6	271·9	21st	291·9	*291·1*	+2·7	46	+ 0
317	Minnedosa	50 15	99 50	515	953·4	1012·2	— 0·7	300·8	309·1	25th	283·6	270·8	21st	292·2	*291·3*	+3·3	53	..
318	Berens River	52 18	97 23	216	..	..	..	296·8	307·4	8th	282·7	276·9	30th	289·7	..	—0·3	..	— 31
318*a*	Port Nelson	57 4	92 36	14·9	1010·1	1011·9	+ 2·7	292·4	305·2	7th	279·7	273·0	4, 10, 21	286·1	..	+1·4	30	— 23
319	Fort Hope	51 33	87 49	‡260	984·4	1014·7	..	296·9	305·2	26th	283·6	274·1	21st	290·2	*290·9*	+2·1	28	..
320	Moose Factory	51 14	80 30	9·1	1015·1	1016·2	+ 2·7	295·8	303·0	8, 27, 30	280·8	274·1	17th, 22nd	288·3	..	+0·1	..	— 23
321	Fort George	53 50	79 5	97·5	..	..	..	289·9	297·4	8th	281·5	274·7	17th	285·7	*285·4*	..	40	
322	Mistassini Post	50 15	73 55	383	..	..	..	296·5	303·0	27th, 28th	281·9	273·0	18th	289·2	..	+4·3	50	— 2
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	291·1	298·6	11th	281·3	273·6	26th	286·2	..	—0·4	86	— 72
326	Belle Isle	51 53	55 23	133	..	..	..	285·2	?289·7	7th	279·1	274·7	26th	282·2	*282·1*	—1·7	80	— 79
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1019·6	1021·3	+ 7·1	289·7	292·4	29th	285·2	281·3	7th	287·5	287·4	—0·5	54	— 75
335	Aberdeen	57 10	W 2 6	26·8	1013·8	1017·1	+ 5·7	288·2	295·8	16th	282·4	279·1	29th	285·3	285·2	—0·9	50	— 15
336	Greenwich	51 28	0 0	46·3	1013·9	1019·4	+ 4·7	292·8	298·6	14th	282·8	278·0	20th	287·8	287·3	—1·9	41	
337	Uccle	50 48	E 4 22	100	1006·4	1018·4	+ 2·8	293·2	298·7	17th	283·1	279·6	31st	288·1	287·4	—2·1	53	— 27
338	De Bilt	52 6	5 11	3·0	1016·9	1017·3	+ 2·6	292·1	296·8	18th	283·5	280·2	30th	287·8	287·1	—2·6	115	+ 33
338*a*	Hamburg	53 33	9 58	26·0	1012·3	1015·5	+ 1·8	291·8	298·6	5th	285·2	280·3	30th	288·5	*288·3*	—1·5	60	+ 12
339	Copenhagen	55 41	12 36	5·0	1013·8	1014·4	+ 1·5	291·1	294·9	5th	286·1	282·8	30th	288·6	*288·6*	—0·5	88	+ 57
340	Potsdam	52 23	13 4	84·9	1005·0	1015·1	+ 0·4	294·6	303·5	5th	285·1	280·2	21st	289·9	289·1	—0·6	145	+ 78
340*a*	Uppsala	59 51	17 38	24	1010·4	1013·3	+ 2·2	291·7	296·4	13th	283·6	280·1	29th	287·7	287·6	0·0	63	+ 26
341	Warsaw	52 13	21 1	133	999·4	1015·0	+ 0·3	296·0	302·8	6th	286·0	282·2	31st	291·0	291·2	+0·3	103	— 19
342	Dorpat (Jurjev)	58 23	26 43	74·5	1005·5	1014·3	+ 2·8	294·9	301·5	4th	285·7	280·3	16th	290·3	289·7	+1·5	54	— 27
343	Petrograd	59 56	30 16	4·8	1014·2	1014·8	+ 3·0	294·4	301·7	7th	286·5	282·6	23rd	290·4	*290·1*	+1·5	44	— 11
344	Kiev	50 27	30 30	183	993·9	1015·2	+ 1·3	298·9	307·5	5th	288·3	282·9	25th	293·6	*293·4*	+1·8	69	+ 20
344*a*	Moscow	55 50	37 33	167	997·8	1017·4	+ 5·0	297·9	309·8	7th	284·9	279·7	25th	291·4	*291·5*	+1·9	24	— 21
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1008·8	1018·2	+ 7·4	300·4	310·7	1st	286·7	278·2	26th	293·6	*292·9*	+2·4	13	— 41
347	Orenburg	51 45	55 6	109	1002·8	1015·5	+ 4·6	301·5	311·6	4th	287·3	279·5	23rd	294·4	*294·4*	+2·1	9	— 37
348	Perm	58 1	56 16	159	997·4	1016·2	+ 6·0	..	307·9	2nd	284·8	278·0	24th	..	*289·8*	+1·6	47	— 34
349	Ekaterinburg	56 50	60 38	281	981·6	1014·5	+ 3·0	295·3	307·2	3rd	283·7	276·4	31st	289·5	*289·6*	+1·7	30	— 24
350	Tobolsk	58 12	68 14	?108	1000·4	1013·3	+ 2·7	..	306·0	3rd	284·3	276·8	31st	..	*288·3*	—0·1	44	— 10
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	993·0	1012·0	+ 1·3	..	304·4	20th	284·6	277·3	3rd	..	*290·8*	+1·0	25	— 20
354	Tomsk	56 30	84 58	122	997·6	1012·1	+ 2·4	..	300·3	20th	283·9	275·9	31st	..	*288·6*	+0·5	60	— 5
355	Minousinsk	53 43	91 41	249	982·6	1011·6	+ 0·6	..	301·4	20th	284·8	274·2	31st	..	*290·0*	..	64	— 1
356	Eniseisk	58 27	92 10	77·6	1003·2	1012·5	+ 2·3	..	301·5	21st	283·1	271·9	30th	..	*288·1*	—0·4	56	— 6
357	Irkutsk	52 16	104 19	467	957·2	1011·4	+ 1·1	..	302·1	22nd	281·7	270·7	31st	..	*287·8*	—0·5	65	— 14
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	674	930·4	1008·0	— 0·2	..	300·0	1st	282·0	276·3	31st	..	*287·7*	—0·7	100	— 1
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	962·2	1006·2	..	293·9	301·4	24th	280·5	270·9	31st	287·2	*287·9*	..	167	— 27
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	989·2	1005·6	— 0·3	297·4	302·9	26th	286·9	280·9	31st	292·2	*291·9*	+0·3	106	— 27
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1008·8	1010·4	— 0·2	..	..	..	..	..	..	..	..	..	26	..
369																		
371	Attu Island	52 56	173 13	4·9	..	1010·5	— 0·7	287·7	294·1	6th	279·2	274·7	20th, 25th	283·4	..	..	68	..
		N.	E.															
		° ′	° ′	metres	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
111	Victoria, B.C.	48 24	123 19	70·1	1008·1	1016·5	— 0·7	294·1	301·9	8th	284·1	280·8	18th	289·1	288·3	+0·8	41	+ 24
112	Portland, Oregon	45 32	122 41	46·6	1011·4	1016·6	+ 0·3	300·0	309·7	12th	287·4	279·7	30th	293·7	*293·6*	+1·8	32	+ 16
113																		
114	Macleod	49 44	113 24	953	..	..	..	300·9	308·0	9th, 15th	284·1	277·4	29th	292·5	*292·8*	+2·7	4	— 39
115	Helena	46 34	112 4	1253	875·2	1014·9	+ 1·3	299·9	308·0	15th	284·7	276·3	31st	292·3	*291·9*	—0·4	20	+ 2
116	Salt Lake City	40 46	111 54	1329	868·1	1013·2	+ 0·9	302·1	308·0	17th	290·2	282·4	27th	296·2	*296·7*	—0·4	33	+ 13
117	Cheyenne	41 8	104 48	1856	817·1	1015·6	+ 2·6	296·8	300·2	24th	283·4	278·0	29th	290·1	*290·1*	—1·7	34	— 4
118	North Platte	41 8	100 45	859	919·2	1016·9	+ 3·2	301·4	305·8	16th	286·8	277·4	13th	294·1	*294·0*	—1·4	120	+ 60
119	Bismarck	46 47	100 38	511	955·8	1015·2	+ 0·8	302·1	309·7	17th	286·6	276·3	21st	294·3	*294·3*	+1·2	15	— 36
120	Winnipeg	49 53	97 7	232	986·2	1013·1	— 0·8	301·2	308·1	14th	286·5	274·9	21st	293·9	*293·2*	+3·7	43	— 19
121	Duluth	46 47	92 6	345	976·5	1017·3	+ 2·5	295·3	303·0	4th	285·8	280·2	22nd	290·6	*290·6*	+0·9	37	— 40
122	Port Arthur	48 27	89 12	196	994·2	1017·4	+ 2·5	295·2	303·0	15th	284·1	276·3	22nd	289·7	*289·4*	+1·2	45	— 25
123	Chicago	41 53	87 37	251	987·8	1017·3	+ 1·4	297·7	305·2	5th	291·7	288·0	23rd	294·7	*293·9*	—0·2	80	+ 1
124	Toronto	43 40	79 24	116	1003·7	1017·3	+ 1·8	299·7	304·7	7th	288·6	281·9	1st, 3rd	294·1	293·2	+1·9	25	— 45
125	New York (Central Park)	40 47	73 58	47·4	1012·7	1018·2	— 0·3	301·1	305·8	17th	291·9	286·9	3rd	296·5	295·5	—0·4	99	— 13
126	S.W. Point, Anticosti	45 17	66 4	36·2	1013·9	1018·2	+ 2·8	293·6	299·1	5th	285·8	283·0	19th, 26th	289·7	289·2	+0·8	123	+ 25
127	Sable Island (Main Station)	43 57	60 0	7·6	1018·9	1019·8	+ 3·0	294·7	303·0	24th	290·2	287·4	26th, 27th	292·4	*292·2*	+2·2	101	+ 7
128					..	..	..											
129	Port aux Basques	47 35	59 10	9·1	1016·1	1017·2	+ 2·1	293·0	298·6	9th	286·9	278·0	26th	289·9	*289·9*	+2·4	109	— 6
130	St. John's, Newfoundland	47 34	52 42	38·1	1011·8	1016·3	+ 2·6	295·2	303·0	10th	286·3	277·4	27th, 29th	290·8	*290·3*	+2·6	45	— 45
131	Madrid	40 24	3 41	667	940·1	1014·4	— 0·2	304·2	308·3	12th	289·9	286·0	15th, 25th	297·0	*296·1*	+0·5	1	— 6
132	Nantes	47 15	W 1 34	36·5	1015·6	1020·0	+ 2·9	295·0	300·2	17th	283·8	279·1	20th, 21st	289·4	289·2	—2·1	17	— 32
133	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1013·7	1019·7	+ 3·0	294·1	299·8	18th	283·5	279·0	21st	288·8	288·8	—1·9	21	— 29
134	Marseille	43 18	5 23	75	..	1014·5	— 0·6	300·2	305·9	14th	288·1	282·5	27th	294·1	*294·0*	—0·7	17	0
135	Zürich	47 23	8 33	493	961·2	1018·3	+ 0·8	295·2	303·0	5th	284·3	279·2	22nd	289·7	288·9	—1·5	92	— 40
136	Rome	41 54	12 27	50·6	1009·8	1018·6	+ 0·6	302·8	307·1	6th	291·8	286·9	27th	297·3	*297·4*	+0·2	39	+ 12
137	Vienna	48 15	16 22	203	992·4	1016·2	+ 0·8	293·6	298·8	3rd	286·3	280·6	31st	289·9	289·8	—2·2	136	+ 66
138	Budapest	47 31	19 2	130	1000·0	1015·4	+ 0·3	297·9	303·8	4th	287·2	283·4	25th	292·6	*291·8*	—1·2	28	— 21
139	Sofia	42 42	23 20	550	952·4	1014·6	+ 0·9	300·6	307·4	7th	287·5	281·5	1st	294·1	*293·6*	+0·5	86	+ 30
140	Bucharest	44 25	26 5	82	1005·4	1014·9	+ 0·7	302·6	309·1	7th	288·4	282·3	29th	295·5	295·3	+0·1	32	— 19
141	Odessa (University)	46 26	30 46	42·8	1009·6	1014·6	+ 0·2	300·9	306·7	8th	290·0	288·5	26th	295·4	*295·3*	+0·6	30	— 2
142	Kharkov (University)	50 0	36 14	140	998·8	1015·0	+ 0·3	302·9	309·1	6th	287·7	282·9	12th, 15th	295·3	*294·8*	+3·1	28	— 23
143	Novorossiisk	44 44	37 49	37·1	1007·0	1012·2	— 0·6	303·3	308·0	2nd	294·0	288·5	4th	298·6	*298·6*	+2·2	56	+ 27
144	Tiflis	41 43	44 48	404	967·8	1013·3	+ 1·2	303·8	309·9	14th	290·8	287·4	4th, 24th	297·3	*297·2*	—0·1	43	+ 5
145	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
146	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
147	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148																		
149	Aralskoe More	46 47	61 42	56	..	..	..	..	308·1	10th	290·5	283·4	30th	..	*296·8*	+0·1	..	..
150	Tachkent	41 20	69 18	478	954·2	1007·5	+ 0·1	306·7	311·5	26th	290·1	285·9	13th	298·4	*297·7*	+0·2	10	+ 9
151	Narynskoe	41 26	76 2	?2015	795·0	1006·1	..	..	299·4	26th	280·4	276·3	23rd	..	*286·9*	—2·7	35	..
152	Vernyi	43 16	76 53	841	..	..	..	300·5	306·5	12th	288·5	283·6	8th	294·5	*294·5*	..	29	..
153																		
154	Moukden	41 48	123 23	43·8	999·7	1004·7	— 2·1	303·0	306·5	8th	291·9	288·0	31st	297·5	296·6	+0·1	101	— 36
155	Joshin	40 40	129 11	31·9	1003·6	1007·3	— 1·0	299·4	302·0	3rd	292·5	289·5	27th	295·9	295·6	+0·9	151	+ 26
156	Yuki	42 20	130 24	65·6	999·7	1007·3	— 1·4	298·5	303·3	23rd	291·0	287·8	20th	294·7	294·6	+0·3	79	— 70
157	Vladivostok	43 7	131 55	128	993·0	1007·9	— 1·6	297·0	301·2	20th	291·6	288·1	23rd	294·3	293·7	—0·1	145	+ 35
158	Ochiai	47 20	142 46	6·6	1010·0	1010·8	— 0·3	296·0	300·7	31st	287·6	282·8	24th	291·8	291·6	+2·2	191	+ 98
159	Nemuro	43 20	145 35	26·7	1008·2	1011·3	— 0·2	294·0	298·8	15th	289·0	284·5	26th	291·5	291·3	+1·3	250	+140
160	Syana	45 14	147 53	39·3	1007·8	1012·4	+ 0·2	295·2	300·6	1st	288·0	278·4	28th	291·6	291·5	+3·0	135	+ 65
		N.	E.															

Between Latitude 40° N. and 30° N.

AUGUST—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		N.	W.															
161	San Francisco	37 48	122 26	47·2	1007·8	1013·5	— 0·4	292·3	299·1	30th	284·9	283·0	11th	288·6	*287·7*	+0·4	0	— 1
162	San Luis Obispo	35 18	120 39	61·3	1007·0	1014·2	+ 0·2	298·7	306·3	15th	284·7	281·9	10th	291·7	*290·0*	—0·1	1	0
163	San Diego	32 43	117 10	26·5	1009·8	1012·8	+ 0·3	297·1	300·8	16th	291·6	288·0	28th	294·3	*293·9*	+0·5	0	— 2
164	Modena	37 48	113 54	1670	835·2	1012·2	+ 0·3	302·4	307·4	15th	284·7	278·6	27th	293·6	*293·3*	0·0	21	— 16
165	Santa Fé	35 41	105 57	2138	790·9	1012·5	+ 0·2	298·1	301·9	7th	284·7	279·7	28th	291·4	*290·7*	—1·8	50	— 6
166	Denver	39 45	105 0	1613	841·1	1016·2	+ 2·7	299·1	304·1	10th	286·7	281·9	29th	292·9	*292·5*	—1·8	32	— 3
167	Abilene	32 23	99 40	530	954·5	1014·5	+ 1·4	302·4	310·8	1st	293·2	288·6	23rd	297·8	*297·8*	—2·5	229	+170
168	Saint Louis	38 38	90 12	173	996·2	1016·6	+ 1·1	301·7	306·3	6th	292·2	286·3	23rd	296·9	*296·6*	—1·6	106	+ 33
169	Mobile	30 41	88 2	17·4	1014·6	1016·6	+ 1·2	303·5	306·9	31st	296·1	293·6	26th	299·8	*299·2*	—0·3	198	+ 25
170	Nashville	36 10	86 47	166	998·0	1017·6	+ 1·7	301·5	305·2	5th	292·3	285·8	24th	296·9	*296·3*	—2·1	174	+ 87
171	Charleston	32 47	79 56	14·6	1016·3	1017·9	+ 1·6	303·1	308·0	31st	296·6	291·9	4th	299·8	*300·0*	+0·2	178	+ 6
172	Washington	38 54	77 3	34·1	1013·7	1017·6	— 1·5	301·1	306·3	17th	292·6	286·3	3rd	296·8	*296·1*	—0·5	119	+ 10
173	Bermuda	32 17	64 46	46·0	1016·1	1021·4	+ 2·5	303·0	304·7	10th	295·8	291·9	28th	299·4	*299·1*	—1·0	91	— 47
174	Santa Cruz (Flores)	39 27	31 9	28	1018·4	1021·5	— 2·0	297·9	300·6	2nd	291·6	288·7	23rd	294·7	*294·6*	—0·4	123	+ 25
175	Horta	38 32	28 38	65	1013·9	1021·1	— 1·6	297·5	300·2	16th	292·1	287·3	23rd	294·8	294·4	—0·9	238	+157
176	Ponta Delgada	37 44	25 40	22	1019·4	1021·2	— 1·1	297·3	298·7	13th, 16th	292·9	288·8	23rd	295·1	295·0	+0·1	..	..
177	Fêja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
178	Madeira (Funchal)	32 37	16 54	25	‡1016·3	‡1019·2	— 0·1	298·7	307·0	12th	293·0	291·0	4th	295·9	*295·9*	+0·6	90	+ 31
179																	0	— 3
180	Lisbon	38 43	9 9	95	1005·7	1016·8	— 0·5	300·0	304·7	10th	290·4	288·0	5th	295·2	*294·6*	0·0	1	— 5
181	Gibraltar	36 6	5 21	16·2	1014·0	1015·8	— 1·1	302·2	308·1	6th	293·9	290·8	23rd	298·1	*297·4*	+0·7	0	— 3
182	Melilla	35 18	2 59	8	1014·9	1015·8	— 2·5	304·3	309·0	15th	294·1	291·4	31st	299·2	*300·2*	—0·9	0	— 1
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

AUGUST—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1013·3	1016·0	— 1·2	302·5	307·0	6th	292·5	288·0	26, 27, 28	297·5	..	—1·0	6	— 12
538	Algiers (Bouzaréah)	36 48	3 2	343	975·9	1014·7	— 1·0	300·7	315·9	5th	293·2	289·8	27th	297·0	296·5	—0·2	0	— 3
539	Tunis	36 48	10 10	21	1014·0	1016·4	..	306·3	317·2	6th	292·1	288·0	27th	299·2	*299·1*	+0·2	21	+ 10
539*a*	Malta	35 54	14 31	56·4	..	1015·1	— 0·5	302·7	309·2	24th	297·7	293·1	28th	300·2	*299·5*	+1·0	1	+ 2
540	Riposto	37 41	15 14	14·2	..	1016·7	+ 0·4	302·2	305·8	6th	296·3	292·0	30th	299·3	*298·5*	0·0	14	+ 3
541	Athens	37 58	23 43	107	1000·1	1012·3	+ 0·5	305·2	308·8	21st	295·4	291·6	2nd	300·3	300·1	+0·6	6	+ 4
542	Alexandria	31 12	29 53	32·0	1006·8	1010·5	+ 0·4	304·8	313·5	27th	296·7	294·3	1st	300·7	*299·9*	+0·7	0	— 0
543	Cairo (Helwan)	29 52	31 20	116	996·1	1009·2	+ 0·6	309·1	315·0	17th	295·5	292·2	3rd	302·3	302·2	+1·5	0	— 2
544	Nicosia (P.W.D.)	35 9	33 22	159	989·4	1007·1	+ 0·5	309·0	313·0	16th, 18th	294·0	289·1	30th	301·5	..	+0·2	0	— 1
544*a*	Beirut	33 54	35 28	33·7	..	1008·2	0·0	304·1	305·9	18th	297·4	293·8	26th	300·7	*300·6*	+0·4	1	+ 1
545	Baghdad	33 21	44 28	38·1	..	1001·2	— 0·1	315·6	319·8	18th	300·1	295·2	28th	307·9	*305·4*	+0·1	0	..
546	Lenkoran	38 46	48 52	—20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Tehran	35 41	51 25	1220	..	..	..	306·2	309·4	1st	293·7	291·3	24th	299·9	*299·6*	—2·1	5	+ 4
548	Meshed	36 16	59 35	946	..	..	..	305·8	308·5	28th	286·9	284·0	10th	296·4	..	+0·1	1	0
549	Seistan	31 0	61 30	?	..	..	..	309·9	314·2	27th	296·8	293·2	22nd	303·4	..	..	0	..
550	Quetta	30 11	67 3	1677	828·6	..	+ 0·9	306·3	308·3	2nd	288·2	284·4	22nd	297·2	*296·9*	—0·4	0	— 10
551	Peshawar	34 2	71 37	339	962·9	1000·1	— 0·4	313·3	316·6	11th	298·3	295·2	23rd	305·8	*305·3*	+1·3	0	— 45
551*a*	Lahore	31 34	74 20	214	976·8	1000·4	+ 0·4	309·9	313·9	29th	299·6	297·1	17th	304·8	*304·3*	+0·7	1	+ 17
552	Simla	31 7	77 8	2205	778·5	..	+ 0·6	292·0	294·4	30th	287·8	285·8	31st	289·9	*289·6*	—0·3	149	— 279
552*a*	Leh	34 10	77 42	3503	665·1	..	+ 0·1	295·4	299·1	12th	282·3	278·1	23rd	288·9	*287·5*	—1·5	182	— 12
559	Hankow	30 35	114 17	37·0	1001·0	1005·2	— 0·7	306·0	312·6	1st	298·4	295·2	22nd	302·2	*301·8*	0·0	41	— 61
560	Tientsin	39 10	117 10	5·0	1004·7	1005·2	— 1·9	305·9	311·5	1st	295·2	291·7	31st	300·5	*300·2*	+1·0	31	— 111
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1004·4	— 1·5	306·2	309·4	1st, 4th	296·4	291·7	18th	301·3	300·3	+0·4	86	— 59
562	Jinsen (Chemulpo)	37 29	126 37	67·6	998·0	1005·7	— 3·0	302·2	305·9	21st	294·5	291·7	20th	298·3	297·7	+0·1	205	— 20
562*a*	Nagasaki	32 44	129 52	133	989·7	1004·7	— 3·6	304·2	307·6	14th	296·1	293·2	18th	300·1	299·4	—0·1	113	— 59
563	Kyoto	35 1	135 44	42·9	1001·7	1006·6	— 2·4	304·6	306·9	12th	294·9	292·1	6th	299·7	298·9	—0·2	165	— 29
564	Tokyo	35 41	139 45	21·3	1006·6	1009·1	— 0·9	302·3	304·7	25th	296·0	292·7	6th	299·1	298·7	+0·3	325	+162
565	Kanayama	37 53	140 46	24·6	1006·2	1009·0	— 1·3	302·4	306·8	14th	294·1	290·6	12th	298·3	297·5	+1·5	249	— 14
566	Miyako	39 38	141 59	30·4	1005·4	1008·9	— 1·7	301·3	305·5	15th	293·3	287·2	27th	297·3	296·5	+1·4	193	— 76

AUGUST—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1018·9	+ 1·0	302·0	304·1	31st	295·4	293·0	9th	298·7	*298·2*	..	75	..
605	Honolulu	21 19	157 52	11·6	1014·5	1015·8	— 0·3	302·1	303·6	..	296·7	295·2	..	299·4	*299·1*	+0·6	19	— 18
614	La Paz	24 10	110 20	12	1009·0	1010·3	..	309·8	314·0	27th, 29th	297·0	294·0	29th	303·4	..	..	13	..
615	Chihuahua	28 38	106 4	1423	861·3	1011·4	..	299·1	305·0	4th	289·7	286·7	15th	294·4	*294·2*	..	215	— 58
616	Leon	21 7	101 41	1809	822·3	1008·6	+ 0·6	300·0	303·0	5th, 6th	287·2	284·5	6th	293·6	..	—0·1	83	— 25
616*a*	Monterry	25 40	100 18	528	852·8	1010·6	..	308·0	310·7	3rd	293·4	291·1	23rd	300·7	*300·9*	..	17	— 31
617	Tulancingo	20 5	98 22	2180	794·0	..	..	..	298·0	..	..	281·0	..	..	288·6	—1·2	24	..
618	Galveston	29 18	94 50	16·5	1014·2	1016·2	+ 1·5	303·4	305·2	1st	298·5	295·2	25th	301·0	*300·6*	—0·5	67	— 53
618*a*	New Orleans	29 57	90 4	16·2	..	1016·2	+ 1·2	303·8	307·4	29th	296·9	295·8	9th	300·4	*300·0*	—0·2	106	— 55
619	Merida, Yuc.	20 58	89 38	22	1012·8	1015·2	..	..	304·7	306·0	4th	296·1	294·4	21st	300·4	*299·8*	..	132	— 53
620	Havana	23 8	82 21	24·3	..	1017·0	+ 1·9	303·7	304·8	8th	297·0	295·4	8th, 11th	300·4	300·1	0·0	172	— 15
620*a*	Key West	24 33	81 48	6·7	1016·1	1016·9	+ 1·5	304·1	305·2	5th	298·2	294·1	7th	301·1	*300·9*	—0·9	131	— 117
621	Nassau, Bahamas	25 5	77 21	7·3	..	‡1019·1	+ 2·7	304·0	..	..	298·1	..	..	301·1	*301·2*	—0·2	50	..
622	Watling Island	24 6	74 26	33·5	1014·5	1018·3	+ 3·2	..	304·1	31st	..	295·2	6th	..	301·2	..	..	..
633	Izaña	28 19	16 30	2367	772·1	..	..	293·2	298·3	1st	285·1	280·8	31st	289·1	*288·2*	..	0	+ 6
634	La Laguna	28 28	W16 20	547	952·3	1014·1	— 1·4	299·6	310·5	11th	290·2	288·1	6th	294·9	*294·3*	—0·3	8	..
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	—23	..	..	..	311·6	316·9	27th	294·0	291·9	30th	302·8	..	..	0	..
642																		
643	Aswan	24 2	32 53	99·6	995·6	1006·6	+ 0·3	315·6	321·8	18th	300·3	295·0	28th	308·0	*307·5*	+2·1	0	0
644	Tor	28 14	33 37	1·9	1006·3	1006·4	+ 1·1	308·4	312·7	6th	297·2	294·5	28th	302·8	*302·4*	+1·3	0	0
647	Bushire	28 59	50 53	4·3	1000·8	1001·3	+ 1·7	309·4	314·2	6th	301·6	298·3	29th	305·5	*304·9*	+0·1	0	— 34
648	Jask	25 44	57 47	4·0	1001·6	1002·1	+ 1·1	309·5	315·6	14th	300·2	298·2	8th	304·8	*304·2*	+0·1	0	— 22
649	Karachi	24 53	66 57	4·0	1002·9	1003·4	+ 1·5	302·8	304·2	27th	299·3	298·3	30th	301·1	*300·5*	+0·5	2	— 34
650	Jacobabad	28 17	68 29	56·7	994·0	1000·3	+ 1·1	313·3	316·2	12th	300·4	298·4	28th	306·8	*306·2*	—0·2	0	— 27
651	Jaipur	26 56	75 52	436	955·7	1003·6	+ 1·6	306·3	311·1	27th	296·3	294·2	22nd	301·3	*300·6*	—0·4	20	— 14
652	Nagpur	21 8	79 5	310	971·0	1005·4	+ 2·1	304·6	308·1	18th	296·6	293·9	9th	300·6	*299·8*	+0·5	119	— 14
653	Allahabad	25 25	81 51	94·1	992·2	1002·7	+ 1·7	305·6	309·4	26th	299·1	295·6	9th	302·3	*301·7*	+0·3	126	— 14
653*a*	Darjeeling	27 3	88 18	2266	773·1	..	— 0·8	292·6	295·4	25th	287·6	286·2	22nd	290·1	*289·8*	+0·6	359	+167
654	Calcutta	22 36	88 23	6·4	1001·9	1002·6	+ 0·5	304·4	306·4	11th	299·1	297·4	1st	301·8	*301·7*	+0·7	474	— 58
655	Gauhati	26 8	91 41	59·7	997·2	1003·9	— 0·3	305·3	307·7	1st	298·0	296·1	19th	301·7	*300·9*	—0·2	173	+ 22
655*m*	Cherrapunji	25 15	91 42	1314	864·7	..	+ 0·2	295·3	299·6	26th	291·1	286·1	6th	293·2	*292·7*	—0·1	2377	+1167
655*a*	Akyab	20 11	92 56	6·1	1003·7	1004·4	?— 0·9	302·6	304·6	17th	297·3	295·8	29th	300·0	*300·1*	—0·2	883	+ 5
656	Mandalay	21 59	96 0	76·2	996·9	1005·4	— 0·1	307·5	311·1	17th	299·1	296·6	29th	303·3	*302·9*	+0·5	171	— 46
656*a*	Tengyueh	24 59	98 35	1633	..	..	..	295·7	300·8	28th	290·0	288·6	31st	292·9	*292·2*	..	340	— 20
657	Phu Lien	20 48	106 38	116	989·6	1002·6	— 1·2	304·6	309·2	8th	298·3	295·1	14th	301·4	301·0	+0·1	293	— 3
658	Moncay	21 31	107 51	9·0	1002·4	1003·0	— 0·5	304·2	307·6	5, 6, 7	297·4	295·3	22nd	300·8	*300·6*	—0·5	811	— 3
659	Hongkong	22 18	114 10	33·2	..	1004·7	— 0·4	302·7	305·0	6th	298·8	296·4	26th	300·7	300·6	+0·1	279	— 3
660	Amoy	24 27	118 4	ca.3	1004·7	1005·0	+ 0·3	303·9	305·2	sev. dates	299·4	298·0	4th, 17th	301·7	*301·3*	—0·3	144	— 203
661	Taihoku, Formosa	25 2	121 31	9·3	1004·2	1005·2	0·0	306·6	308·5	12th	297·0	292·3	20th	301·8	301·3	+0·6	100	— 35
661*a*	Basco	20 28	121 59	18·7	1002·3	1004·6	— 0·1	304·8	306·7	29th	298·5	294·0	28th	301·7	*301·4*	+0·6	149	— 35
662	Naha	26 13	127 41	10·5	1003·6	1004·9	— 1·8	304·9	306·4	28th	298·0	295·9	20th, 21st	301·5	300·9	+0·1	218	— 134
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1006·5	1006·9	— 1·6	303·7	305·6	6th	298·2	295·4	23rd	300·9	300·4	+0·4	78	— 44
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

AUGUST—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	956·7	1011·6	..	301·7	303·3	26th, 31st	295·9	294·4	22nd	298·8	*297·9*	..	174	..
716	Morelia	19 42	101 7	1923	810·1	1008·0	..	294·3	295·7	5th	280·3	284·6	3rd	290·3	*290·7*	..	96	..
718	Mexico, Tacubaya	19 24	99 12	2309	776·1	1012·8	+ 0·7	295·9	297·5	5th	283·3	281·5	3rd	289·6	288·6	—0·5	167	+ 45
	Salina Cruz	16 12	95 12	56	1006·0	1012·4	..	304·3	307·6	12th	296·9	294·3	14th	300·6	*300·1*	..	82	..
719	San Salvador	13 42	89 13	682	936·7	1012·1	+ 1·1	306·2	308·4	30th	291·1	289·4	25th, 26th	298·7	*296·5*	0·0	315	+ 16
721	Belize	17 29	88 12	5·2	1012·9	1013·5	+ 1·4	303·7	304·7	18th	297·1	294·1	28th	300·4	*299·9*	—0·4	126	—114
722	Jamáica (Negril Point)	18 15	78 23	10·1	..	1014·3	+ 1·5	304·1	305·2	30th	295·1	293·9	6th	299·6	*299·1*	—0·2	150	— 22
723	Port au Prince	18 34	72 22	37·4	1010·8	1015·1	+ 1·0	307·0	310·0	26th	296·0	294·7	24th, 30th	301·5	*300·6*	0·0	72	— 63
724	Caracas	10 30	66 55	1042	900·3	1016·1	+ 0·9	299·0	301·2	27th	288·3	284·9	22nd	293·6	*292·4*	—1·1	80	— 28
724*a*	Montserrat	16 41	62 9	39·6	1010·3	1014·9	+ 0·1	304·4	306·3	16, 18, 22	296·7	294·1	12th, 28th	300·5	*300·3*	..	159	..
725	Grenada (Richmond Hill)	12 5	61 46	155	‡994·9	‡1012·9	+ 0·1	302·7	304·7	26th	296·6	293·6	19th, 20th	299·7	*299·1*	+0·3	180	— 63
725	Barbados	13 8	59 36	55·2	..	1013·9	+ 0·2	303·3	304·4	28th	296·3	294·1	12th, 21st	299·8	*300·0*	+0·4	60	— 128
731	São Vicente, C. Verde Is.	16 54	25 4	11	1012·5	1013·7	+ 1·2	301·6	304·0	2nd	..	..	..	..	*299·1*	+0·4	1	— 41
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·2	1013·8	+ 0·4	301·6	304·7	23rd	297·5	296·0	6th	299·5	*299·7*	0·0	2	—107
733	Bathurst	13 27	16 36	1·8	1013·3	1013·5	+ 1·5	303·3	305·2	6, 7, 8	295·6	293·0	12th, 13th	299·4	*299·7*	+0·2	472	— 26
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	303·9	305·8	3, 6, 10	295·7	293·6	18th	299·8	..	—0·9	467	+203
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
738	Sokoto	13 2	E 5 14	353	..	..	..	302·9	304·7	1, 8, 20	289·8	288·6	sev. dates	296·4	*295·7*	—2·8	331	+127
739	Kaduna Capital	10 32	7 25	637	944·8	1016·4	+ 0·6	299·1	301·9	26th	292·1	290·2	15th	295·6	*295·0*	—0·7	315	+ 69
740	Hadejia	12 40	10 5	?	..	..	..	303·1	307·4	15th	293·8	289·7	6th	298·5	*297·8*	—1·2	224	..
741	Maiduguri	11 47	13 11	361	..	..	..	303·8	306·9	14th	294·4	290·2	13th	299·1	*298·5*	—0·8	269	+ 62
	El Fasher	13 32	25 18	730	..	..	..	305·3	309·0	29th, 31st	291·5	288·0	24th	298·4	*297·4*	..	156	..
743	El Obeid	13 11	30 14	569	..	..	..	307·2	308·5	20th, 30th	..	..	..	..	‡*297·4*	..	178	+ 63
744	Khartoum	15 37	32 33	390	966·0	1009·0	+ 0·5	307·5	311·6	14th	296·3	292·4	19th	301·9	*302·0*	—2·0	185	+119
745	Port Sudan	19 37	37 13	5·5	1005·1	1005·8	+ 0·8	313·3	318·0	17th	303·8	300·7	29th	308·6	*307·5*	+1·0	0	— 1
746	Berbera, Somaliland	10 22	45 2	9·5	1004·5	1005·5	— 0·1	314·7	317·4	14th	303·8	300·8	7th	309·3	*308·4*	—0·5	0	— 1
746	Aden	12 45	45 3	28·7	1002·3	1005·4	+ 0·5	306·2	308·0	17th	300·5	295·6	30th	303·3	*303·5*	+0·2	0	— 3
751	Bombay	18 54	72 49	11·3	1006·9	1008·1	+ 1·2	302·6	303·7	25th	298·4	297·2	2nd, 8th	300·5	*299·9*	+0·6	132	—217
752	Cochin	10 58	76 21	2·7	1011·3	1011·6	+ 0·9	301·4	302·7	29th	296·3	295·3	19th	298·9	*298·3*	—0·4	202	—124
752*a*	Kodaikanal	10 14	77 28	2343	770·0	..	+ 0·6	290·2	292·1	28th	283·8	282·8	13th, 27th	287·0	*287·0*	—0·3	166	— 6
753	Bangalore	12 59	77 38	920	909·2	1009·8	+ 1·0	301·4	304·3	10th	291·6	290·4	27th	296·5	*295·5*	+0·4	147	+ 15
754	Madras	13 4	80 14	6·7	1007·1	1007·9	+ 0·8	308·2	311·4	29th	298·8	296·7	2nd	303·5	*302·9*	+0·8	60	— 61
754	Vizagapatam	17 42	83 19	11·6	1003·3	1004·5	+ 1·1	305·6	310·2	5th	299·9	297·8	14th	302·8	*302·2*	?+1·3	93	— 49
755	Port Blair	11 40	92 40	17·7	1005·9	1008·0	— 0·4	302·3	303·9	31st	297·9	296·1	2nd	300·1	*299·5*	—0·2	468	+ 99
756	Rangoon	16 46	95 48	5·5	1007·0	1007·7	+ 0·2	303·2	305·4	31st	297·5	295·9	6th	300·3	*299·4*	+0·4	469	— 32
757	Saigon	10 47	106 42	11·2	..	..	..	304·5	305·9	28th, 30th	297·2	295·4	21st	300·8	*300·3*	+0·2	341	+ 67
758	Cap St. Jacques	10 20	107 5	180	987·4	1007·9	+ 0·7	..	..	..	..	..	..	..	..	..	..	..
759	Nhatrang	12 15	109 12	3·6	1004·7	1005·1	— 0·3	306·0	308·5	6th	297·4	295·4	23rd	301·7	*301·1*	—0·3	6	— 31
760	Bolinao	16 24	119 53	7·1	1004·1	1005·0	— 0·7	305·0	307·4	30th	298·0	296·0	21st	301·5	*300·7*	+0·9	..	..
760*a*	Vigan	17 34	120 23	12·2	..	1006·2	— 0·1	304·8	306·8	14th	297·5	295·7	19, 20, 21	301·1	300·7	+0·9	256	—433
761	Manila	14 35	120 59	14·2	..	1007·0	— 0·1	304·6	306·6	25th	297·7	295·7	21st	301·1	300·4	+0·4	322	— 84
762	Ormoc	11 0	124 36	5·6	1006·4	1007·1	— 0·2	305·4	307·3	13th, 14th	296·6	295·1	23rd	301·0	*300·5*	+0·7	234	— 29
763	Guam, Ladrone Is.	13 24	144 38	20·4	1002·7	1005·2	— 2·1	302·8	304·5	10th	297·9	295·8	20th	300·3	*300·5*	+0·3	627	+224
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 10° N. and 0°.

AUGUST—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
761	Fanning Island	3 55	159 23	3·1	..	..	..	304·5	306·9	4th	297·7	295·8	6th	301·1	*300·6*	+0·7	104	+ 2
762	Colon	9 23	79 23	11·0	..	1011·0	+ 0·7	302·8	305·2	14th	297·3	295·8	22nd	300·1	*299·7*	+0·7	585	+204
763	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	42	— 14
764	Merida, Venez.	8 36	71 9	1641	‡841·7	..	..	297·5	300·5	27th	288·5	287·5	sev. dates	293·0	*291·8*	..	94	..
765	El Peru, Guayanavieja	7 19	61 49	220	986·1	1011·0	— 0·1	304·6	306·6	28th	294·3	292·0	4th	299·4	*298·7*	+0·7	56	—125
766	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·5	+ 1·6	303·1	304·1	26th	297·1	295·2	3rd, 11th	300·1	*300·0*	+0·1	140	— 28
767	Paramaribo	5 49	55 9	3·7	‡1014·1	‡1014·5	+ 1·1	304·2	305·5	26th	295·9	294·8	7, 13, 26	300·1	*298·9*	—0·2	106	— 43
768	Cayenne	4 56	52 21	6	..	..	..	306·2	307·2	sev. dates	294·2	292·0	22nd	300·2	*299·3*	—0·4	11	— 59
773	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
774	Freetown, Sierra Leone	8 29	13 9	68·3	1006·4	1014·2	+ 1·5	300·8	302·4	4, 9, 21	294·9	294·1	sev. dates	297·9	*297·2*	—0·6	293	—636
775	Cape Coast	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	22	+ 4
776	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	..	..	..	..	..	..	4	— 11
777	Lagos	6 27	E 3 24	4·6	1012·5	1013·0	— 2·2	300·5	303·8	..	296·2	294·7	..	298·3	*297·9*	—0·1	35	— 36
778	Zungeru	9 48	6 10	130	..	..	..	302·1	305·2	26th	294·3	292·4	19, 21, 27	298·2	*297·7*	—0·5	269	+ 39
779	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
781	Yola	9 12	12 30	259	..	..	..	303·6	306·3	2nd	..	..	..	..	‡*298·4*	—0·2	121	— 88
782	Wau	7 42	28 3	440	..	..	..	303·7	307·0	22nd	293·8	292·5	5th	298·8	*298·1*	+0·5	185	— 22
783	Malakal (Kodok)	9 35	31 37	394	966·6	1010·7	— 0·4	304·3	307·5	21st	..	..	..	..	‡*297·4*	..	105	— 65
784	Mongalla	5 11	31 47	439	960·8	1009·5	— 0·2	..	..	..	293·1	292·0	sev. dates	..	‡*297·2*	..	107	— 41
784	Entebbe	0 5	32 29	1171	884·8	1011·5	+ 0·1	297·8	299·7	26th	288·9	287·7	29th	293·3	*293·1*	—0·4	39	— 39
785	Mimicoy	8 17	72 49	2·1	1012·5	1012·7	+ 1·8	..	..	..	..	..	..	..	..	..	117	— 64
786	Colombo Observatory	6 54	79 53	7·3	..	1010·7	+ 1·2	302·2	303·2	2nd	298·1	295·9	4th	300·1	*299·5*	—0·2	24	— 53
787	Nuwara Elija	6 59	80 47	1886	813·0	1012·0	..	291·6	295·1	31st	284·9	282·6	2nd	288·2	*287·5*	0·0	112	— 90
788	Trincomalee	8 34	81 14	30·2	..	1007·3	+ 1·2	306·8	308·6	31st	299·3	295·3	9th	303

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	..	..	..	..	..	..	..	..	..	..	— 7
926	Taperinha	2 30	54 20	20·0	1010·2	1012·5	— 0·1	304·7	307·2	30th	296·5	295·0	3rd, 10th	300·6	*299·7*	—0·9	33	..
927	Turyassu	1 43	45 26	15·1	1010·8	1012·5	— 0·5	302·9	304·4	20th, 27th	295·1	294·0	22nd, 27th	299·0	*297·9*	—0·4	132	— 20
928	Barra do Corda	5 30	45 16	81·0	1001·8	1011·3	— 1·1	304·4	306·4	28th	295·0	293·1	21st, 26th	299·7	*299·0*	0·0	49	+ 17
929	Quixeramobim	5 16	39 15	207	..	..	..	..	..	..	292·0	289·0	2nd, 9th	..	*298·1*	—0·2	29	— 11
930	Fernando Noronha	3 50	W32 25	106	1002·2	1014·4	— 0·6	299·2	300·0	13th	295·9	294·0	11th	297·6	*297·4*	..	77	+ 43
939	Loanda	8 49	E 13 13	59·3	..	1017·3	+ 1·9	294·5	296·8	31st	290·3	288·6	3rd	292·4	292·1	—0·7	0	— 1
940	Brazzaville	4 17	15 16	320	977·6	1013·9	— 0·7	301·9	307·0	19th	293·3	291·0	2nd, 3rd	297·6	*297·0*	+1·1	0	— 0
943	Masaka	0 21	31 47	?1280	..	..	..	298·6	300·8	26th, 27th	288·8	288·0	4, 10, 27	293·7	*292·6*	+0·5	20	— 37
944	Nairobi	1 14	36 44	1800	..	..	..	294·1	298·6	26th	282·4	277·4	6, 14, 25	288·3	*287·6*	—0·4	4	— 23
944a	Zanzibar	6 10	39 11	21·9	1017·1	1019·6	+ 0·9	300·2	301·3	30th	295·6	293·9	25th	297·9	*297·1*	—0·1	30	— 27
945	Lamu	2 16	40 50	3·1	..	..	..	300·8	301·3	26th	291·9	290·8	2nd, 3rd	296·3	*295·7*	—2·9	16	— 35
947	Seychelles, Port Office	4 37	55 27	4·6	1013·6	1014·1	+ 1·2	300·2	300·9	..	297·6	296·1	..	298·9	*298·1*	+0·3	24	— 20
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	317	+147
958	Batavia	6 11	106 50	8·0	1009·7	1010·6	+ 0·2	302·7	304·5	1st	295·9	294·3	28th	299·3	298·8	—0·3	190	+115
958a	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	335	+ 42
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	48	+ 20
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	67	..
962	Amboina	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	494	+ 59
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	95	— 45
965	Daru	9 4	143 13	7·6	..	1013·0	+ 0·7	298·7	..	..	..	..	..	..	..	..	7	— 49
966	Port Moresby	9 29	147 9	39·0	..	1012·6	+ 0·6	301·1	..	..	..	..	..	..	..	..	0	— 19
967																		
968	Rendova	8 30	157 12	1·8	1009·9	1010·0	— 0·4	..	..	..	..	..	..	..	..	..	364	— 6
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1011·3	1011·5	+ 1·0	303·4	305·4	31st	297·4	296·2	14th	300·4	*300·2*	+0·5	63	— 113
970	Ocean Island	0 52	169 35	54·0	1001·3	1007·4	— 0·9	304·3	305·2	15, 20, 24	297·2	295·8	sev. dates	300·7	*300·0*	—0·3	35	— 33
		S.	E.															

		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1011·5	— 0·7	302·7	304·3	6th	295·2	291·3	4th	299·0	298·8	+0·4	335	+255
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·0	304·7	13, 14, 16	291·9	287·4	26th	296·4	*296·2*	+0·6	72	— 40
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	761·8	..	+ 0·3	292·4	295·2	5th	282·0	278·3	11th	287·2	*286·5*	+0·1	0	0
1022	Puerto de Arica	18 28	70 20	5	..	..	..	291·1	291·4	sev. dates	284·5	284·0	2nd	287·8	..	—1·5	0	0
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	729·7	..	..	289·7	293·6	31st	275·9	271·8	5th	282·8	*282·9*	..	5	+ 1
1025	Corumba	18 59	57 39	116	1000·8	1014·3	+ 0·4	299·5	306·2	23rd	288·4	279·0	6th	294·0	*293·4*	—2·5	10	— 24
1026	Cuyaba	15 36	56 6	165	993·8	1012·8	+ 0·1	306·2	309·7	12th	288·6	280·5	6th	297·4	*297·2*	—1·6	29	+ 1
1027	Bello Horizonte	19 55	43 57	857	921·8	1018·1	— 0·6	300·0	301·0	3rd	285·4	282·5	4th	292·7	*290·7*	—0·2	0	— 19
1028	Caetite	14 3	42 37	900	916·7	1015·5	— 1·2	299·8	304·8	15th	288·8	286·1	4th	294·3	*294·8*	+1·2	102	+ 90
1029	Ondina (Bahia)	13 0	38 31	46·6	1009·9	1015·3	— 2·5	298·6	300·2	25th	294·2	292·9	5th	296·4	*296·2*	0·0	107	— 15
1030	Aracaju	10 54	37 3	4·0	1015·5	1015·9	— 1·7	299·5	301·0	28th, 31st	294·2	291·7	7th	296·9	*297·6*	—0·4	20	— 45
1035	St. Helena	15 57	W 5 40	‡579	947·8	1014·9	+ 0·6	292·8	296·3	4th	284·8	283·6	5th	288·8	*288·4*	+1·4	80	— 14
1039	Mossamedes	15 11	E 12 10	12·5	..	..	..	291·7	293·5	29th, 30th	286·2	283·2	1st	288·9	*288·6*	..	0	..
1042	Gwelo	19 28	29 48	1417	?865·2	?1019·0	+ 0·1	?299·2	?304·1	31st	?281·0	?278·0	16th	?290·1	..	+1·7	0	— 3
1043	Salisbury, Rhodesia	17 48	31 5	1457	859·3	1017·7	— 1·5	297·2	301·9	28th, 29th	280·9	276·3	1st	289·1	*288·4*	+0·4	3	+ 3
1044	Zomba	15 23	35 18	996	911·9	1023·0	— 0·5	297·2	300·8	27, 28, 31	285·1	282·4	10th	291·1	*291·2*	—0·2	13	+ 5
1045	Antananarivo	18 55	47 32	1400	869·0	1023·5	+ 0·9	294·5	298·6	20th	282·0	278·4	9th	288·3	*287·1*	+0·1	3	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1012·4	1012·9	— 0·5	300·3	303·3	1st	296·7	293·8	9th	298·4	*298·1*	—0·5	425	+279
1057	Christmas Island	10 25	105 43	5·5	1009·7	1010·3	0·0	302·7	304·1	..	295·5	293·6	..	299·1	*298·4*	—0·3	69	+ 9
1061	Kupang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	3	— 2
1061a	Derby	17 18	123 40	16·2	1012·7	1014·6	0·0	304·1	308·6	30th	290·7	285·8	1st	297·4	..	+0·8	1	— 1
1062	Hall's Creek	18 13	127 46	374	972·2	1014·2	— 1·3	303·8	307·4	17, 18, 21	288·9	281·9	2nd	296·3	*295·6*	+2·6	2	— 1
1063	Darwin	12 28	130 51	29·6	1008·8	1012·1	— 0·4	305·5	308·1	28th	295·8	293·6	31st	300·7	*299·5*	+1·4	1	— 1
1064	Daly Waters	16 16	133 23	211	988·1	1011·6	— 2·4	306·4	310·2	20th	290·1	282·4	3rd	298·2	*297·5*	+2·4	0	+ 3
1065	Mein	13 13	142 47	122	998·2	1012·0	— 0·6	303·1	306·4	6th	291·1	287·0	24th	297·1	..	+0·2	5	+ 5
1066	Georgetown, Queensland	18 22	143 32	302	981·0	1015·1	— 0·7	304·1	306·9	21st	287·6	281·3	6th	295·8	..	+1·5	0	— 28
1067	Samarai	10 37	150 40	15·2	..	..	..	301·5	..	..	295·8	..	..	298·7	*298·5*	+0·9	21	— 13
1072	Suva, Fiji	18 8	178 26	17·7	1012·5	1014·5	— 1·3	298·0	300·9	7th, 19th	292·2	288·8	26th	295·1	*294·9*	—1·1	79	— 13
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	296·7	299·1	14, 15, 20	292·9	288·3	26th	294·8	*294·6*	+0·6	241	+ 128
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·8	1018·1	+ 0·4	288·1	291·2	22nd	282·9	278·3	13th	285·5	*285·2*	+0·2	2	— 11
1122	Iquique	20 12	70 11	9	1015·5	1016·6	0·0	290·4	292·7	29th	286·3	284·5	14th	288·3	*288·5*	—0·6	0	0
1123	Catamarca	28 27	65 47	510	954·8	1013·6	— 1·4	295·8	303·1	27th	280·4	274·5	4th	288·1	288·2	—0·3	53	+ 50
1124	Salta	24 46	65 28	1178	884·5	1016·0	+ 0·6	294·4	300·0	28th	277·6	268·0	14th	286·0	286·3	—0·2	55	+ 52
1125	Goya	29 9	59 15	26	1014·6	1017·7	+ 1·3	294·5	300·6	29th	281·2	275·0	20th	287·9	287·6	—0·6	55	+ 20
1126	Asuncion	25 21	57 37	95	‡1007·4	‡1018·7	+ 1·1	..	..	..	283·3	277·0	5th	..	290·2	—2·1	33	— 8
1127	Curityba	25 25	49 17	908	916·3	1020·5	+ 0·1	290·7	297·8	2nd	278·1	271·5	5th	284·4	*284·1*	—2·3	42	— 51
1128	Rio de Janeiro	22 54	W43 10	61·4	1010·9	1019·7	— 0·7	295·2	300·8	11th	289·7	287·0	6th	292·4	292·0	—1·5	88	+ 40
1139	Windhoek	22 35	E 17 5	1680	..	..	..	295·0	299·0	29th	283·0	279·6	11th	289·0	*288·9*	+1·1	7	+ 5
1140	Kimberley	28 42	24 47	1202	886·2	1020·6	— 0·1	294·6	300·2	29th	279·1	272·5	16th	286·9	286·3	+1·0	30	+ 24
1141	Johannesburg	26 11	28 4	1806	827·4	1022·0	+ 0·7	292·1	297·7	27th	280·2	274·7	6th	286·1	*285·7*	+0·7	1	— 12
1142	Pretoria (Brooklyn)	25 46	28 13	1400	867·0	1021·0	+ 0·8	295·1	302·4	31st	280·2	275·1	2nd	287·7	*287·3*	+1·4	5	..
1143	Bulawayo	20 9	28 35	1340	872·5	1019·5	+ 0·5	290·9	303·7	31st	280·8	277·3	7th, 10th	288·9	*288·7*	—0·3	0	— 1
1144	Durban	29 52	31 3	15·2	1021·1	1022·9	+ 0·6	295·6	303·0	30th	287·7	283·3	4th	291·7	*291·3*	+0·6	44	0
1147	Lourenço Marques	25 58	32 36	59	..	1021·9	+ 0·8	298·7	306·9	29th	287·2	283·4	11th	293·0	292·6	+0·3	11	— 5
1159	Mauritius	20 6	57 33	55·2	1015·0	1021·5	+ 1·0	296·5	297·8	20th	289·8	287·0	21st	293·1	292·8	—0·2	68	+ 8
1160	Onslow	21 43	114 57	4·3	1014·7	1015·9	— 0·3	298·3	301·6	27th	283·7	279·2	9th	291·0	..	—1·1	9	0
	Peak Hill	25 38	118 47	588	948·0	1016·2	— 1·2	292·1	299·9	29th	280·5	274·1	9th	286·3	..	—1·8	20	+ 7
1161	Nullagine	21 53	120 5	386	971·7	1015·7	— 1·0	298·2	303·6	20th	281·1	272·3	11th	289·7	..	—1·2	0	— 10
1162	Laverton	28 40	122 23	466	962·2	1016·9	— 2·6	291·4	301·7	29th	270·3	274·1	16th	286·3	*285·3*	—0·8	10	— 6
1163	Alice Springs	23 38	133 37	587	949·4	1016·2	— 3·0	294·3	303·6	14th	281·9	273·0	1st	288·1	288·4	+0·5	58	+ 48
1164	William Creek	28 55	136 21	76·2	1008·5	1017·6	— 2·0	291·9	297·2	3rd	281·2	274·7	1st	286·5	*286·2*	—0·1	32	+ 25
1165	Boulia	22 55	139 38	146	999·2	1016·2	— 0·5	296·6	306·6	23rd	283·4	278·2	3rd	290·0	*289·8*	—0·2	7	0
1166	Thargomindah	27 58	143 43	123	1002·6	1017·4	— 1·7	291·6	297·0	8th, 20th	280·9	275·9	8th	286·2	*285·9*	—1·2	20	+ 6
1167	Mitchell	26 32	147 52	336	978·8	1017·7	..	292·0	301·1	24th	278·3	271·9	14th	285·2	..	—0·5	46	+ 21
1167	Rockhampton	23 24	150 30	11·3	1015·3	1016·7	— 2·2	297·8	303·0	24th, 25th	284·6	277·4	15th	291·2	..	+0·1	39	+ 14
1168	Brisbane	27 28	153 2	41·7	1012·0	1016·9	— 2·2	294·0	302·2	24th	283·7	278·5	15th	288·8	*288·3*	0·0	29	— 25
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 4	167 59	15·2	1011·6	1013·5	— 4·9	291·4	293·6	18th	286·1	282·7	14th	288·7	*288·3*	—0·2	180	+ 30
		S.	E.															

		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	1018·3	1019·5	..	288·9	292·2	5th	281·8	279·8	sev. dates	285·3	*286·1*	+0·5	115	+ 20
1221a	Punta Tumbes	36 37	73 6	91	‡1008·0	‡1019·1	— 0·1	286·4	289·4	4th	280·2	277·2	13th	283·3	*283·0*	—0·2	94	+ 30
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1013·0	1018·0	— 0·6	289·0	293·5	3rd	281·5	277·5	13th	285·3	*284·7*	—0·7	10	— 59
1223	Santiago	33 27	70 42	520	957·0	1018·5	— 0·3	290·7	296·5	24th	276·7	269·7	13th	283·7	*282·7*	+0·8	24	— 34
1224	Cordoba	31 25	64 12	423	968·0	1018·0	+ 1·2	293·0	302·0	..	276·8	269·7	..	284·9	284·7	—0·3	31	+ 18
	Bahia Blanca	38 45	62 15	25	..	1017·4	+ 0·4	289·3	296·0	11th	278·6	271·0	13th	283·9	284·1	+1·5	9	— 16
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1020·2	+ 1·7	289·9	295·8	28th	278·2	271·3	19th	284·1	283·6	—0·6	21	— 40
1226	Montevideo (Prado)	34 52	56 12	24·9	1017·2	1020·2	+ 1·7	289·2	296·6	30th	277·7	271·4	9th	283·4	283·3	—0·3	19	— 59
1227	Porto Alegre	30 2	W51 13	23·5	1017·5	1020·3	+ 1·3	291·6	297·2	31st	280·5	276·0	17th	286·1	285·8	—1·8	36	— 86
1239	Cape Town	33 56	E 18 29	12·2	..	1018·9	— 1·6	290·7	300·2	7th	282·8	276·9	11th	286·7	*285·3*	+0·6	81	— 5
1240	Danger Point	34 37	19 18	27·7	1013·6	1017·0	..	288·9	294·1	7th, 22nd	283·3	280·2	30th	286·1	..	..	46	— 22
1241	Riversdale	34 6	21 16	?61	1007·5	1014·8	..	293·6	304·1	24th	280·3	273·0	17th	286·9	..	..	21	..
1242	East London	33 1	27 54	9·8	1018·4	1019·6	— 0·3	294·8	300·2	26th	283·8	278·6	12th	289·3	..	+0·6	4	— 54
1250	Perth (Observatory)	31 57	115 51	60·0	1008·1	1015·5	— 3·2	289·4	294·1	29th	281·7	278·0	21st	285·6	*285·6*	—0·7	252	+108
1260	Katanning	33 42	117 35	310	976·9	1014·2	— 3·8	286·7	293·6	29th	278·4	273·0	4th	282·5	..	—0·9	127	+ 64
1261	Coolgardie	30 57	121 10	423	965·8	1015·3	— 3·7	289·7	301·2	29th	278·1	273·7	8th, 15th	283·9	*283·8*	—1·1	36	+ 10
1262	Eucla	31 45	128 58	4·6	1013·6	1014·2	— 3·8	291·8	302·4	29th	280·5	276·1	13th	286·2	*285·9*	—0·3	23	+ 1
1263	Streaky Bay	32 48	134 13	13·1	1014·2	1015·7	— 3·7	290·4	296·8	21st	282·1	277·4	17th	286·2	*285·9*	+0·5	73	+ 24
1264	Adelaide	34 56	138 35	42·7	1010·7	1015·8	— 3·4	289·5	296·4	21st	280·9	276·7	13th	285·2	*285·1*	0·0	86	+ 22
1265	Melbourne	37 49	144 58	35·1	1010·2	1014·5	— 3·6	287·0	292·4	22nd	279·3	274·6	15th	283·2	*282·8*	—0·4	81	+ 35
1266	Bourke	30 13	145 58	110	1006·8	1020·3	— 1·9	290·9	296·9	30th, 31st	279·1	275·8	13, 14, 19	285·0	..	—1·7	33	+ 11
1267	Sydney	33 51	151 13	44·5	1009·5	1014·8	— 3·3	290·6	294·1	4th	280·8	278·3	16th	285·7	*285·3*	—0·1	31	— 45
1268	Lord Howe Island	31 20	159 0	4·6	1013·3	1013·8	— 4·5	291·6	293·6	5th, 28th	284·9	279·4	22nd	288·3	..	—0·3	170	+ 37
1271	Auckland	36 50	174 50	38·1	..	1010·5	..	287·1	289·7	9th	280·8	276·9	22nd	283·9	..	—0·3	152	+ 45
1272	Napier	39 32	176 53	21·3	..	1012·3	— 2·3	286·1	291·3	3rd	277·3	272·2	23rd	281·7	..	—1·2	74	— 1
		S.	E.															

		S.	W.															
1301	Chatham Island	43 52	176 42	104	..	1006·4	..	..	..	..	..	..	..	..	..	..	184	+ 95
1361	Isla Guafo	43 34	74 45	140	996·7	1013·7	— 1·1	283·2	286·9	19th	278·9	276·3	11th	281·1	*280·8*	+0·8	77	— 71
1362	Punta Galera	40 1	73 44	40	1013·8	1018·7	+ 1·5	284·8	288·8	26th	279·9	277·2	sev. dates	282·3	*282·5*	+0·4	207	— 62
1363	Sarmiento	45 30	69 0	274	..	1009·2	..	286·0	291·3	21st	274·9	265·2	18th	280·5	280·3	+2·1	0	— 13
1364	Punta Madryn	42 49	W64 58	14	..	1013·8	..	289·2	302·0	29th	276·6	269·0	18th	282·9	283·2	+1·8	0	— 8
1365	Launceston	41 27	E147 10	10·1	1009·6	1011·0	— 3·5	286·7	290·2	28th	277·9	274·0	23rd	282·3	*281·8*	+1·0	71	+ 1
1366	Hobart	42 53	147 20	53·9	1003·8	1010·4	— 3·1	286·4	290·9	30th	279·1	275·2	16th	282·7	*282·2*	+0·8	29	— 18
1370	Invercargill	46 25	168 21	5·5	..	..	..	282·4	288·6	2nd, 27th	273·1	267·4	15th	277·7	..	—2·0	60	— 26
1371	Dunedin	45 52	170 31	91·4	..	1012·7	+ 0·2	281·9	291·3	1st	275·7	270·2	14th	278·8	..	—0·9	107	+ 27
1372	Christchurch	43 31	172 39	7·6	..	1012·6	— 1·9	282·7	292·2	3rd	274·7	269·7	22nd	278·7	..	—1·1	54	+ 9
	Wellington	41 16	174 46	2·4	..	1012·6	— 1·8	284·2	288·8	26th	278·4	272·0	18th	281·3	..	—0·9	120	+ 6
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulae employed see pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 113.

AUGUST—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas .	52 24	75 6	55	990·3	997·0	— 6·0	280·0	284·4	26th	276·3	272·6	11th	278·1	*278·3*	+1·1	375	+171
1422	Puerto de Punta Arenas .	53 10	70 54	4	..	..	..	..	..	..	..	..	..	..	..	..	66	+ 8
1423	Punta Dungeness . .	52 24	68 26	5	996·6	997·2	— 5·9	279·7	285·2	27th	275·0	274·0	12th	277·3	*277·3*	+1·3	3	— 15
1424	Santa Cruz . . .	50 11	68 21	12	1000·7	1002·2	— 6·2	284·2	292·3	27th	274·1	268·1	23rd	279·1	278·9	+2·5	1	— 12
14244	Año Nuevo . . .	54 39	64 8	50	989·2	995·3	— 6·3	278·0	283·4	27th	275·1	271·0	3rd	276·5	277·1	+1·7	56	+ 15
1425	Stanley, Falkland Is. .	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	22	— 30
1426	Cape Pembroke . .	51 41	57 42	21	..	1001·6	— 2·6	279·4	284·1	21st	274·4	270·8	16th	276·9	277·2	+1·2	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	998·8	999·3	— 0·8	273·7	283·8	29th	267·7	261·4	6th	270·7	*271·0*	—0·5	177	+ 54

AUGUST—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys. . .	60 44 S.	44 39 W.	7	994·3	995·2	— 0·1	267·4	275·8	26th	260·0	244·6	4th	263·7	264·1	+0·8	60	+ 25
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—AUGUST 1920.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s.	17h.	9h. 17h.	7h. 21h.	9h.	9h.	8h. 21h.	0h.
1	SSE	7·3	SE	Calm 0 SSW 3	SSE 1 E 2	E by NE 3	Calm 0	E 2 E 2	SE 3
2	SE	5·1	SE	Calm 0 WSW 4	E 1 S 1	E 3	ESE 2	E 2 Calm 0	SE 3
3	SE	3·6	Calm	NE 2 Calm 0	SE 1 SSE 1	E by S 2	SE 2	SSE 2 ESE 2	SE 2
4	Calm	..	Calm	Calm 0 SW 3	S 1 S 1	E by S 1	ESE 4	ESE 3 E 3	SE 1
5	Calm	..	Calm	Calm 0 SW 4	SE 1 S 1	NE 2	ESE 4	ENE 2 ENE 4	SE 1
6	Calm	..	Calm	NE 1 SW 2	SE 1 S 1	ESE 2	ESE 2	NE 3 NE 3	SE 2
7	Calm	..	SE	SSW 1 SW 4	SE 1 SSW 1	ESE 2	ESE 2	NE 3 NE 3	Calm 0
8	S	..	SE	Calm 0 SW 1	S 1 E 1	E by S 3	SE 2	NE 3 NE 3	W 3
9	Calm	..	SE	Calm 0 SSW 1	SSE 1 E 1	E by S 3	ESE 2	ENE 2 NE 1	W 2
10	S	4·6	SE	SW 1 SW 3	N 1 S 1	E 3	ESE 4	NE 1 E 1	W 2
11	S	4·4	SE	Calm 0 SW 5	SE 1 SE 2	ESE 2	ESE 4	NE 3 ENE 3	Calm 0
12	SSE	5·4	SE	SW 1 SW 4	E 1 E 1	E 2	ESE 4	ENE 2 ENE 2	Calm 0
13	S	4·8	SE	S 1 SW 1	SE 1 SSE 1	E 3	SE 2	NE 2 NE 3	Calm 2
14	S	5·3	Calm	SW 2 SW 3	SE 1 E 1	E 3	Calm 0	ENE 3 ENE 3	W 3
15	SSE	1·3	SE	S 1 SW 2	E 1 E 1	NE 3	SE 2	ENE 2 ENE 3	W 3
16	Calm	1·4	SE	Calm 0 SW 5	S 1 S 2	E 2	SE 4	SE 2 ESE 2	W 2
17	Calm	6·0	SE	W 2 SW 3	Calm 0 E 1	E 1	SE 4	ENE 2 E 3	Calm 0
18	SSE	6·4	SE	SW 2 SW 4	E 1 S 1	NE 3	SE 4	SE 1 SE 1	Calm 0
19	S	6·8	SE	SW 3 SW 5	SE 2 E 1	NE 2	SE 2	S 2 S 2	SW 3
20	S	6·5	SE	E 1 SW 2	NE 1 S 1	E 3	SE 2	S 3 S 2	SW 3
21	S	6·1	SE	SW 2 W 2	E 1 S 2	E 2	ESE 2	WNW 2 WNW 3	SW 3
22	S	5·9	SE	Calm 0 SW 3	SE 1 E 1	NE 2	ESE 2	W 2 W 3	S 3
23	SE	5·9	SE	SW 3 SW 3	SE 2 SE 2	E 2	SE 2	WSW 2 SW 1	S 3
24	SE	5·1	SE	S 1 SSW 3	S 1 S 1	E 3	SE 6	SSE 3 SE 2	SE 3
25	SSE	11·2	SE	E 1 SSW 1	N 2 S 2	E 2	ESE 2	ENE 2 ENE 4	E 3
26	S	11·2	SE	E 1 SW 3	Calm 0 S 1	ESE 2	ESE 4	ENE 4 ENE 4	SE 3
27	S	5·4	SE	NE 1 SW 1	N 1 SE 1	E 3	ESE 6	ENE 3 ENE 1	SE 3
28	Calm	3·1	SE	SW 3 SSW 5	N 1 E 1	NE 3	ESE 8	NNW 3 S 3	SE 3
29	SE	6·1	SE	SW 2 SW 3	SSE 2 SE 2	SE 3	ESE 2	S 2 SE 2	SE 3
30	SE	6·0	SE	SW 1 SW 5	S 1 E 1	SE 3	ESE 2	E 3 ESE 1	SE 3
31	SE	7·4	SE	SW 1 SW 4	SE 1 SE 2	ESE 3	Calm 0	ENE 2 ENE 3	1·0
Mean	..	5·7	..	1·1 2·9	1·1 1·3	2·5	2·8	2·4 2·4	165° (44)
§Resultant	165° (69)	..	135° (83)	220° (64)	135° (65)	90° (89)	120° (84)	85° (54)	103° (51)
§Normal	141° (89)	8·1	‖123° (79)	259° (43)	250° (21)	02° (88)	135° (82)	‖105° (61)	103° (51)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at ?608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—AUGUST 1920.

‡‡ *Kara Sea.*—The area covered was 241 × 10^3 sq. km. compared with a normal of 137 × 10^3 sq. km.

‡‡ *Barents Sea.*—The area covered was 278 × 10^3 sq. km. compared with a normal of 320 × 10^3 sq. km.

‡‡ *Spitsbergen.*—The west coast continued open except for a little drift ice which occurred between South Cape and Horne Sound during the first days of the month.

‡‡ *Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 2 days visible.

‡‡ *Greenland Sea and Denmark Strait.*—At Angmagsalik there was scattered ice in the offing with some icebergs among the ice. Towards the end of the month the sea was free of ice. The area covered was 566 × 10^3 sq. km. compared with a normal of 551 × 10^3 sq. km.

‡‡ *N. Atlantic and Labrador.*—Five icebergs only were observed on the Newfoundland Banks, south of the 48th parallel, the normal being sixteen; the southmost was in 40½° N. the eastmost in 47½° W. Icebergs were numerous in Belle Isle Strait and far to the east.

‡‡ *Davis Strait, Baffin Bay and Melville Bay.*—The ice was drifting rapidly northwest. Little ice was met with between Cape Farewell and Nunarsuit (which was often ice free) by the end of the month. From Nunarsuit to Godthaab there was a narrow belt of close ice with many icebergs; this is very unusual. North of Godthaab the sea was free of ice but many icebergs occurred in Disko Bay and Umanak Fiord. Off Cumberland Sound and Cape Dier the edge of the ice, often closely packed and with many icebergs, occurred along 60° W. There was open water in the east of Cumberland Sound and north of Cape Dier. A motor boat worked her way through scattered ice to Scott Inlet. In Melville Bay open water extended past Cape York into Smith Sound.

‡‡ *Bering Strait.*—The ice conditions were difficult and abnormal. Amundsen's vessel got fast in the ice at Cape Serdzekamen near the Siberian coast and an American vessel, near East Cape.

‡‡ *Isforholdene i de arktiske Have*, 1920, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, SEPTEMBER 1920.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF SEPTEMBER 1920 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **SEPTEMBER—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1425	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1425	Inglefield Bay . . .	77 27	66 40	?	1008·6	..	+ 1·6	..	278·1	15th	..	264·6	26th	..	*270·8*	..	..	..
1425	Upernivik	72 47	W56 7	18·9	1006·0	1008·3	— 0·1	277·0	283·3	15th	272·3	268·0	25th	274·7	*273·9*	+0·1	31	+ 4
1439	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1010·3	1011·7	+ 2·1	..	278·6	17th	271·6	266·0	25th	..	273·3	+1·0	11	— 8
1440	Björnöen	74 28	19 15	40·5	1004·9	1010·0	..	..	..	..	..	..	..	..	*275·5*	..	29	..
1442	Gjesvaer	71 6	25 22	6·5	1011·2	1012·0	+ 4·1	..	287·5	16th	279·5	276·4	30th	..	*281·3*	+1·8	115	+ 46
1443	Mehavn	71 1	27 47	6·4	1011·2	1012·0	+ 2·8	..	287·8	18th	279·3	276·3	30th	..	*281·3*	+1·9	105	+ 22
1447	Vardö	70 22	31 8	10·0	1011·5	1012·7	+ 3·9	..	285·8	8th	279·6	276·4	30th	..	*281·0*	+1·8	63	+ 1
1447	Malye Karmakouly . .	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1448	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															

Between Latitude 70° N. and 60° N. **SEPTEMBER—ZONE 2.**

1565	Nome	64 30	165 24	6·7	..	1005·1	— 1·3	280·9	285·2	1st	273·1	266·3	24th	277·0	*276·9*	—1·2	58	+ 7
1565	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1565	Tanana	65 10	152 6	67·1	..	1006·1	— 2·2	283·7	292·4	2nd	272·3	264·1	23rd	278·0	*277·8*	+0·4	17	— 18
1565	Rampart	65 30	150 15	122	..	..	..	283·2	293·0	2nd	272·7	261·9	23rd	277·9	..	..	5	— 29
1566	Valdez	61 7	146 16	8·2	..	1005·4	— 3·7	284·8	289·7	14th	275·5	271·9	26th	280·1	*279·7*	—0·6	77	—135
1566	Eagle	64 46	141 12	254	..	1006·4	— 2·4	284·4	294·1	3rd	271·3	263·6	16th	277·9	..	—0·1	36	+ 5
1566	Dawson	64 4	139 20	328	967·1	1006·6	— 5·2	284·7	291·3	5th	272·4	264·1	16th	278·6	..	—0·2	34	— 14
1566	Carcross	60 11	134 34	662	..	..	..	284·0	288·6	7th	272·8	265·2	20th, 21st	278·4	..	—2·0	24	— 1
1572	Fort Good Hope . .	66 25	128 53	65·2	1000·7	1008·8	..	282·4	294·7	2nd	273·0	260·8	16th	277·7	..	..	56	+ 42
1573	Fort Simpson . .	61 52	121 35	129	991·9	1007·7	..	285·2	296·9	3rd, 4th	274·7	267·4	21st	279·9	..	+0·5	33	— 5
1573	Hay River . . .	60 51	115 20	161	988·1	1007·7	..	284·1	298·0	1st	276·3	269·1	28th	280·2	..	0·0	60	..
1574	Jacobshavn . . .	69 13	51 2	12·6	1006·4	1008·0	+ 0·6	276·7	283·2	19th, 20th	271·2	264·2	28th	273·9	*274·4*	—0·6	38	+ 3
1574	Godthaab	64 11	51 43	9·0	1004·7	1005·8	— 0·1	279·1	284·2	18th	273·0	268·4	28th	276·1	*275·4*	—0·8	..	..
1574	Ivigtut	61 12	48 10	5·0	1005·2	1005·8	+ 0·3	280·5	287·2	19th	274·6	269·1	26th	277·5	*277·0*	—1·0	51	—102
1574	Angmagsalik . . .	65 37	37 33	31·7	1000·8	1004·7	— 2·8	279·1	284·1	15th	273·2	270·2	24th	276·1	*275·8*	—0·4	57	— 46
1575	Stykkisholm . . .	65 5	22 46	11·3	1000·7	1002·1	— 4·6	284·4	291·0	4th	278·8	276·5	27th	281·6	*280·7*	+0·9	92	+ 23
1575	Vestmanno	63 26	20 15	7·7	1001·0	1001·9	— 4·4	283·7	285·9	1st	278·5	274·8	20th	281·1	*281·6*	+0·4	265	+120
1575	Grimsey	66 33	17 58	22·0	1000·8	1003·5	— 4·3	282·3	287·2	12th	..	..	..	..	*279·6*	+0·9	..	..
1576	Berufjord	64 40	14 19	18·0	1003·0	1005·2	— 2·2	283·2	286·2	13th, 22nd	277·5	272·8	21st	280·3	*280·4*	+0·5	119	— 4
1576	Thorshavn	62 3	6 45	26·3	1006·3	1009·5	— 0·5	284·7	287·2	26th	279·7	274·4	20th	282·2	*282·3*	+0·1	94	— 26
1576	Lerwick	60 9	W 1 8	18·0	1010·3	1012·4	+ 1·0	285·9	287·4	2, 9, 10	279·6	274·7	21st	282·7	*283·7*	—0·6	59	— 17
1577	Bergen (Met. Obs.) . .	60 24	E 5 19	44·4	1008·6	1014·0	+ 2·5	287·3	292·9	30th	282·1	277·5	21st	284·7	*284·6*	+0·3	145	— 49
1580	Christiansund . . .	63 7	7 45	5·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1581	Trondhjem	63 26	10 25	39·5	1008·6	1013·4	+ 3·0	286·7	291·4	5th	279·9	275·3	23rd	283·3	*283·0*	+0·3	50	— 37
1581	Bodö	67 17	14 24	22·4	1009·6	1012·3	+ 3·2	..	289·2	5th	281·2	277·0	22nd	..	*284·2*	+2·4	95	— 20
1582	Haparanda	65 50	24 9	9·2	1012·3	1013·4	+ 3·0	286·1	292·0	7th	280·7	273·0	22nd	283·4	*283·5*	+2·9	61	+ 6
1582	Helsingfors	60 10	24 57	11·7	1015·0	1016·4	+ 3·6	288·2	291·3	9th	282·6	276·8	23rd	285·4	285·2	+1·6	56	— 6
1582	Kuopio	62 54	27 40	90·3	1004·6	1015·5	+ 2·9	288·2	293·0	7th	281·3	274·9	23rd	284·8	*284·6*	+2·8	55	— 4
1583	Kola	68 53	33 1	6·7	1012·8	1013·6	+ 3·9	284·1	288·7	20th	278·6	273·4	2nd	281·4	*281·2*	+2·1	57	+ 21
1584	Petrozavodsk . . .	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1584	Arkhangelsk . . .	64 35	40 36	6·2	1014·7	1015·4	+ 3·8	288·5	296·0	6th	280·9	277·5	30th	284·7	*284·4*	+3·4	22	— 33
1587	Mezen	65 50	44 16	12·6	1013·2	1014·7	+ 4·4	286·7	293·1	8th	279·3	275·3	24th	283·0	*282·8*	+3·9	53	+ 8
1587	Oust-Tsylma . . .	65 25	52 14	? 70	1006·7	1015·3	+ 3·4	284·6	291·0	14th	277·8	272·6	5th, 29th	281·2	*281·0*	+1·5	60	..
1587	Tcherdyn	60 24	56 31	?177	995·5	1016·9	+ 4·3	288·5	295·0	16th	279·2	278·8	17th	283·8	*283·6*	+2·6	78	+ 8
1589	Berezov	63 56	65 4	39·9	1011·0	1015·9	+ 4·3	..	292·7	12th	275·2	268·6	18th, 29th	..	*279·5*	+0·8	11	— 29
1589	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1589	Sourgout	61 15	73 24	? 40	1010·7	1015·6	+ 3·2	..	293·8	13th	274·7	269·1	29th	..	*279·2*	—1·5	40	— 8
1594	Doudinka	69 23	86 4	20	1007·8	1010·3	+ 0·9	..	287·8	2nd	272·8	266·2	20th	..	*275·0*	..	22	..
1594	Touroukhansk . . .	65 47	87 57	45	1007·8	1013·4	+ 1·1	..	288·2	1st	272·6	263·5	30th	..	*276·1*	—1·6	40	— 15
1595	Viliouisk	63 45	121 35	?120	1007·0	1022·0	..	..	291·7	6th	272·5	265·2	22nd	..	*276·9*	—1·3	15	— 15
1595	Iakoutsk	62 1	129 43	108	1003·2	1016·6	+ 2·4	..	291·3	7th	271·7	263·0	22nd	..	*277·8*	—0·9	10	— 17
1595	Verkhoiansk . . .	67 33	133 23	100	999·5	1011·9	+ 2·7	..	289·6	7th, 9th	269·7	258·5	30th	..	*275·5*	+0·3	..	..
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1006·8	+ 0·9	280·1	281·9	10th, 11th	276·8	273·6	25th	278·4	..	..	101	— 55
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1010·1	+ 2·5	283·4	290·2	9th	277·4	273·0	22nd	280·4	..	—1·3	99	
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	284·7	292·4	1st	275·4	263·6	25th	280·1	..	..	75	+ 27
306	Kodiak (Radio)	57 46	152 22	6·1	..	1003·7	— 2·4	284·2	288·6	11th	277·9	273·0	26th	281·1	..	..	154	
309	Sitka	57 3	135 19	27·4	..	1006·4	— 4·6	287·4	293·0	12th	278·8	271·9	27th	283·1	*282·8*	—0·7	306	+ 44
310	Prince Rupert	54 18	130 18	51·8	1004·2	1010·5	— 3·7	286·9	295·2	29th	280·2	276·3	24th, 25th	283·6	*283·3*	—0·7	148	+ 50
311	Barkerville	53 2	121 35	1274	864·2	1009·9	— 6·3	283·6	291·3	1st, 4th	274·1	271·3	15th	278·8	*278·7*	—1·8	137	+ 47
312	Kamloops	50 42	120 29	385	968·8	1014·0	— 4·2	293·0	301·3	1st	281·3	276·3	28th	287·2	*287·2*	—0·5	15	+ 9
313	Calgary	51 2	114 2	1045	890·3	1008·7	— 5·5	294·1	303·0	30th	275·2	270·2	26th	284·7	*283·8*	+1·4	8	— 25
314	Fort Chipewyan	58 42	111 10	218	979·9	1006·0	..	285·8	295·8	4th	277·4	267·4	28th	281·6	*282·1*	+1·3	64	+ 23
315	Prince Albert	53 10	105 38	442	957·2	1009·0	— 3·9	293·6	300·2	6th	278·0	270·8	29th	285·8	*285·2*	+3·1	49	+ 28
316	Qu'Appelle	50 30	103 47	645	935·0	1009·6	— 4·6	293·6	303·0	20th	279·1	268·0	29th	286·3	*285·1*	+2·2	68	+ 44
317	Minnedosa	50 15	99 50	515	951·2	1011·3	— 2·4	292·4	298·6	10th	279·7	271·3	29th	286·1	*285·1*	+2·0	84	+ 39
318	Berens River	52 18	97 23	216	..	..	..	289·9	295·8	5th	277·7	271·9	28th, 29th	283·8	..	—1·4	97	+ 10
318*a*	Port Nelson	57 4	92 36	14·9	1010·8	1012·6	+ 0·7	284·1	294·1	2nd, 4th	276·3	267·4	19th	280·2	..	+0·5	72	
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	..	..	..	..	..	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1011·9	1013·0	— 2·5	291·9	302·4	23, 24, 26	278·6	269·1	20th	285·2	..	+1·2	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	286·9	293·0	15th	278·7	272·4	4th	282·8	*282·4*	..	41	+ 10
322	Mistassini Post	50 15	73 55	383	..	..	..	291·0	300·2	24th	278·3	264·1	15th	284·7	..	+4·4	50	
323																		— 29
324	Natashquan	50 8	61 48	6·1	..	..	..	285·5	291·3	4th	277·2	272·4	21st, 27th	281·3	..	—0·3	42	
326	Belle Isle	51 53	55 23	133	..	..	..	281·3	285·2	8th, 16th	276·3	271·9	24th	278·8	*278·7*	—2·1	50	— 04
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1014·6	1016·3	+ 0·7	288·7	291·3	8th	284·4	275·8	22nd	286·6	286·6	0·0	125	+ 12
335	Aberdeen	57 10	W 2 6	26·8	1011·0	1014·3	+ 0·8	287·0	290·2	26th	281·2	274·1	22nd	284·1	284·3	—0·1	44	+ 19
336	Greenwich	51 28	0 0	46·3	1011·7	1017·3	+ 0·4	292·2	297·4	12th	282·7	276·9	12th	287·4	286·9	+0·1	88	+ 43
337	Uccle	50 48	E 4 22	100	1005·2	1017·2	+ 0·8	292·1	297·2	13th	282·4	278·3	11th	287·3	286·7	—0·6	52	— 18
338	De Bilt	52 6	5 11	3·0	1016·5	1016·9	+ 1·1	290·9	295·0	14th	282·3	277·5	20th	286·6	286·2	—0·8	27	— 32
338*a*	Hamburg	53 33	9 58	26·0	1013·6	1016·8	+ 0·7	289·5	292·4	18th	283·7	280·3	13th	286·6	*286·4*	—0·7	58	— 3
339	Copenhagen	55 41	12 36	5·0	1015·6	1016·2	+ 0·9	288·8	290·5	2nd, 4th	284·2	281·6	13th	286·5	*286·2*	+0·3	27	— 25
340	Potsdam	52 23	13 4	84·9	1006·8	1017·0	+ 0·2	290·8	296·5	18th	282·8	277·3	10th	286·8	286·2	+0·2	33	— 13
340*a*	Uppsala	59 51	17 38	24	1012·8	1015·7	+ 3·3	289·0	291·9	10th	280·1	274·0	22nd	284·5	284·3	+0·8	30	— 5
341	Warsaw	52 13	21 1	133	1002·3	1018·2	+ 1·3	291·5	297·7	19th	283·1	279·2	27th	287·3	287·1	+0·4	44	— 4
342	Dorpat (Jurjev)	58 23	26 43	74·5	1008·3	1017·3	+ 3·1	289·9	295·8	4th	281·1	274·8	25th	285·5	285·0	+1·4	48	
343	Petrograd	59 56	30 16	4·8	1016·2	1016·8	+ 3·8	289·5	296·6	5th	282·2	275·3	23rd	285·8	*285·6*	+1·9	57	+ 4 — 31
344	Kiev	50 27	30 30	183	997·5	1019·5	+ 2·3	292·6	298·7	21st, 22nd	282·9	277·7	14th	287·8	*286·9*	+0·2	14	— 2
344*a*	Moscow	55 50	37 33	167	998·7	1018·9	+ 2·9	290·4	297·8	5th	278·8	273·0	24th	284·6	*284·3*	+0·4	53	— 20
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	— 30
346	Kazan	55 47	49 8	79·9	1009·4	1019·0	+ 4·8	292·8	299·1	15th	280·9	273·9	26th	286·8	*286·4*	+2·4	15	+ 34
347	Orenburg	51 45	55 6	109	1004·3	1017·4	+ 1·1	293·2	300·7	9th	280·9	272·6	25th	287·0	*286·9*	+1·1	30	— 34
348	Perm	58 1	56 16	159	999·0	1018·2	+ 4·8	..	295·9	16th	279·5	273·8	26th	..	*284·2*	+2·1	25	— 20
349	Ekaterinburg	56 50	60 38	281	984·4	1018·3	+ 3·6	288·7	296·7	9th	277·4	272·6	24th	283·0	*282·8*	+1·0	16	— 39
350	Tobolsk	58 12	68 14	?108	1005·6	1018·8	+ 4·3	..	296·7	10th	277·5	268·5	28th	..	*282·2*	+0·2	15	— 24
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	— 12
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	+ 4
353	Barnaoul	53 20	83 48	162	998·8	1018·5	+ 1·0	..	297·3	1st	275·3	263·4	23rd	..	*281·9*	—1·7	33	— 5
354	Tomsk	56 30	84 58	122	1002·2	1017·3	+ 1·0	..	294·8	13th	274·6	265·5	22nd	..	*279·5*	—2·4	35	— 24
355	Minousinsk	53 43	91 41	249	988·4	1018·7	+ 0·3	..	296·4	3rd	274·4	263·5	23rd	..	*280·8*	..	4	+ 13
356	Eniseisk	58 27	92 10	77·6	1007·1	1016·7	— 0·4	..	289·0	1st, 3rd	274·1	267·2	23rd	..	*277·9*	—3·3	53	— 35
357	Irkutsk	52 16	104 19	467	962·7	1018·9	+ 0·2	..	295·2	30th	272·2	266·7	16th	..	*279·2*	—2·4	10	..
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	— 12
359	Tchita	52 2	113 30	674	936·3	1017·3	+ 2·1	..	291·0	26th	271·9	265·5	25th	..	*278·4*	—2·9	18	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	969·1	1014·9	..	286·4	293·8	12th	272·2	264·6	26th	279·3	*279·4*	..	60	— 21
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	997·2	1014·4	+ 2·4	288·6	295·5	27th	278·3	271·3	26th	283·4	*283·0*	—2·0	53	— 12
363																		
364																		..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		..
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1011·0	1012·6	+ 3·0	..	..	..	277·9	271·9	22nd	..	*281·8*	..	92	
369																		..
371	Attu Island	52 56	173 13	4·9	..	1012·5	+ 3·4	285·4	292·4	2nd	277·7	272·4	13th	281·6	..	..	169	
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1003·4	1011·9	— 4·6	289·1	296·3	1st	282·4	280·8	4th	285·8	285·1	0·0	92	+ 41
412	Portland, Oregon	45 32	122 41	46·6	1008·7	1013·9	— 2·6	293·6	304·7	1st	284·8	281·9	15th	289·2	*288·8*	—0·1	106	+ 61
413	Macleod	49 44	113 24	953	..	..	..	294·5	302·4	6th	280·2	270·2	28th	287·3	*287·1*	+2·5	0	— 33
414	Helena	46 34	112 4	1253	871·8	1012·2	— 2·9	293·5	303·6	16th	280·2	275·2	15th	286·8	*286·9*	+0·6	35	+ 3
414*a*	Salt Lake City	40 46	111 54	1329	867·0	1012·8	— 1·0	297·0	303·6	16th	285·3	275·8	25th	291·2	*291·4*	0·0	40	+ 17
415	Cheyenne	41 8	104 48	1856	814·4	1013·9	— 0·1	293·8	301·9	16th	280·1	270·8	29th	286·9	*287·2*	+0·2	59	+ 31
416*a*	North Platte	41 8	100 45	859	917·4	1015·6	+ 0·5	299·6	307·4	19th	282·2	270·2	30th	290·9	*290·3*	0·0	21	— 16
417	Bismarck	46 47	100 38	511	953·7	1013·5	— 1·6	296·0	307·4	17th	281·4	269·1	30th	288·7	*288·5*	+1·5	30	— 3
418	Winnipeg	49 53	97 7	232	984·1	1011·6	— 3·2	294·7	302·4	13th	281·9	274·1	28th, 29th	288·3	*287·3*	+3·4	85	+ 27
419	Duluth	46 47	92 6	345	973·5	1014·5	— 0·9	293·6	304·1	25th	283·9	271·9	30th	288·7	*288·3*	+2·5	33	— 62
420	Port Arthur	48 27	89 12	196	992·3	1015·6	— 0·3	293·0	300·2	17th	282·4	270·8	30th	287·7	*287·3*	+3·1	43	— 40
421	Chicago	41 53	87 37	251	986·4	1015·9	— 1·5	297·4	305·2	21st	290·0	279·1	29th	293·7	*293·4*	+2·4	85	+ 8
422	Toronto	43 40	79 24	116	1002·4	1016·2	— 1·7	296·9	303·6	12th	284·7	275·8	19th	290·8	289·5	+2·7	45	— 36
423	New York (Central Park)	40 47	73 58	47·4	1010·3	1015·9	— 4·8	298·5	304·1	24th	288·1	280·2	20th	293·3	292·6	+0·2	121	+ 30
424	St. John, N.B.	45 17	66 4	36·2	1009·7	1014·1	— 3·4	290·8	299·1	26th	283·0	275·8	20th	286·9	286·4	+0·6	80	— 15
425	S.W. Point, Anticosti	49 24	63 35	9·1	1012·0	1013·1	— 0·9	285·2	289·1	24th	280·2	273·6	21st	282·7	*282·9*	+0·4	62	— 8
425	Sable Island (Main Station)	43 57	60 6	7·6	1012·9	1013·8	— 4·0	290·8	295·2	1st	287·4	281·9	20th	289·1	*288·4*	+0·1	139	+ 53
425	Port aux Basques	47 35	59 10	9·1	1012·0	1013·1	— 2·4	287·4	291·3	1st, 4th	282·4	277·4	6th, 22nd	284·9	*284·9*	+0·6	96	— 16
426	St. John's, Newfoundland	47 34	52 42	38·1	1007·8	1012·4	— 1·5	289·1	295·8	29th	280·8	275·2	28th	284·9	*284·8*	—0·1	145	+ 53
435	Madrid	40 24	3 41	667	941·5	1017·2	+ 0·5	298·4	305·0	7th	286·4	279·2	24th	292·4	*291·6*	+0·8	4	— 33
436	Nantes	47 15	W 1 34	36·5	1013·7	1018·1	+ 0·9	293·3	301·0	12th	283·2	277·2	22nd	288·2	287·9	—0·9	46	— 1
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1012·1	1018·2	+ 0·7	293·3	298·8	13th	282·8	279·2	20th, 23rd	288·0	287·6	—0·1	20	— 33
438	Marseille	43 18	5 23	75	..	1016·1	— 0·1	297·5	303·0	6th	287·1	282·7	28th	292·3	*292·0*	+0·1	178	+154
439	Zürich	47 23	8 33	493	961·1	1018·7	— 0·1	292·6	298·1	16th	283·6	280·3	13th	288·1	287·1	—0·2	87	— 18
440	Rome	41 54	12 27	50·6	1012·7	1018·6	+ 1·9	300·1	303·2	22nd	289·2	283·6	27th	294·6	*294·8*	+0·6	48	— 28
441	Vienna	48 15	16 22	203	994·1	1018·3	+ 0·7	291·3	299·9	24th	284·5	279·1	14th	287·9	287·7	—0·3	43	— 1
442	Budapest	47 31	19 2	130	1003·1	1018·6	+ 1·1	296·1	304·5	24th	284·1	278·5	10th, 14th	290·1	*289·3*	+0·4	58	+ 3
	Sofia	42 42	23 20	550	956·2	1020·0	+ 3·2	295·4	301·0	25th	282·9	277·0	14th	289·1	*288·5*	—0·5	62	+ 7
	Bucharest	44 25	26 5	82	1009·9	1019·6	+ 2·1	297·7	303·5	24th	283·8	280·1	9th	290·7	290·1	—0·2	19	— 24
443	Odessa (University)	46 26	30 46	42·8	1014·0	1019·1	+ 1·4	293·9	300·2	24th	285·5	282·5	15th	289·7	*288·9*	—1·0	34	+ 2
444	Kharkov (University)	50 0	36 14	140	1002·2	1019·0	+ 1·0	293·3	300·6	1st	281·3	275·7	14th	287·3	*286·7*	+0·4	15	— 17
444*a*	Novorossiisk	44 44	37 49	37·1	1012·3	1016·7	+ 0·3	296·2	301·5	2nd	287·6	282·2	16th	291·9	*291·8*	—0·1	131	+ 76
445	Tiflis	41 43	44 48	404	969·8	1016·4	— 0·3	296·6	302·7	3rd	287·2	283·3	21st	291·9	*291·3*	—1·2	178	+128
446	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Aralskoe More	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
450	Tachkent	41 20	69 18	478	959·0	1013·6	— 1·1	300·8	307·8	20th	285·8	279·6	24th	293·3	*292·4*	+0·3	34	+ 30
451	Narynskoe	41 26	76 2	?2015	796·8	1010·8	..	..	295·4	21st	277·0	272·8	25th	..	*283·1*	—2·2	26	..
452	Vernyi	43 16	76 53	841	..	..	..	294·9	301·2	21st	282·8	275·0	30th	288·8	*288·9*	..	47	..
462	Moukden	41 48	123 23	43·8	1010·5	1015·7	+ 2·0	295·9	302·1	1st	283·3	273·0	25th	289·6	288·9	—0·6	46	— 45
462	Joshin	40 40	129 11	31·9	1012·0	1015·8	+ 2·2	295·0	299·5	3rd	287·4	279·1	26th	291·2	291·1	+0·5	194	+ 74
462	Yuki	42 20	130 24	65·6	1008·0	1015·8	+ 1·8	293·6	298·3	1st	284·9	276·7	26th	289·3	289·2	—0·3	170	+ 39
462	Vladivostok	43 7	131 55	6·6	1000·8	1016·1	+ 1·8	291·7	298·2	1st	284·6	279·1	26th	288·2	288·1	—1·5	223	+111
462	Ochiai	47 20	142 46	26·7	1014·8	1015·6	+ 2·5	290·2	300·3	1st	278·9	272·4	27th	284·5	284·9	—0·4	31	— 83
462	Nemuro	43 20	145 35	26·7	1012·1	1015·3	+ 1·4	291·5	299·1	4th	285·2	278·5	28th	288·3	288·4	+0·3	219	+ 79
462	Syana	45 14 N.	147 53 E.	39·3	1010·7	1015·4	+ 1·1	290·4	299·7	4th	282·3	276·2	12th	286·3	286·6	+0·5	105	+ 19

Between Latitude 40° N. and 30° N.

SEPTEMBER—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1009·2	1014·9	+ 0·7	292·4	303·0	28th	285·2	283·0	6th	288·8	*288·3*	+0·1	3	— 7
512	San Luis Obispo	35 18	120 39	61·3	1007·5	1014·9	+ 0·9	297·8	307·4	27th	283·3	279·7	23rd	290·6	*288·9*	—0·7	0	— 7
513	San Diego	32 43	117 10	26·5	1010·0	1013·2	+ 0·9	294·8	298·6	19th	289·2	284·1	25th	292·0	*291·6*	—0·8	2	0
514	Modena	37 48	113 54	1670	833·8	1012·5	— 0·4	297·6	304·1	2nd	278·4	267·4	25th	288·0	*287·9*	—0·5	6	— 20
515	Santa Fé	35 41	105 57	2138	789·7	1012·2	— 0·9	295·4	299·1	18th	282·2	277·4	26th	288·8	*288·7*	—0·2	20	— 19
516	Denver	39 45	105 0	1613	838·4	1014·2	0·0	297·3	303·0	16th	282·6	275·8	30th	289·9	*290·1*	0·0	2	— 24
517	Abilene	32 23	99 40	530	953·9	1013·9	— 0·7	303·9	308·6	24th	291·6	278·6	30th	297·8	*296·2*	—0·2	144	+ 76
518	Saint Louis	38 38	90 12	173	995·4	1015·9	— 1·3	299·9	305·8	14th	291·1	280·2	30th	295·5	*295·1*	+1·0	122	+ 41
519	Mobile	30 41	88 2	17·4	1012·9	1014·9	— 0·9	303·8	308·0	16th	295·4	281·9	30th	299·6	*298·7*	+0·9	198	+ 62
520	Nashville	36 10	86 47	166	997·8	1017·6	— 0·2	300·4	305·2	12th	290·2	277·4	30th	295·3	*294·9*	0·0	105	+ 16
521	Charleston	32 47	79 56	14·6	1013·7	1015·6	— 1·9	302·4	308·0	12th	294·6	285·8	30th	298·5	*298·7*	+1·0	211	+ 82
522	Washington	38 54	77 3	34·1	1012·4	1016·6	— 2·2	298·6	304·7	25th	288·2	280·2	20th	293·4	*293·1*	0·0	73	— 13
530	Bermuda	32 17	64 46	46·0	1011·7	1017·0	— 0·3	302·4	304·1	7th	295·8	293·6	15th	299·1	*298·8*	—0·1	57	— 75
531	Santa Cruz (Flores)	39 27	31 9	28	1019·4	1022·4	+ 0·1	297·0	298·9	10th	291·3	286·5	29th	294·2	*294·2*	+0·2	104	+ 2
532	Horta	38 32	28 38	65	1014·9	1022·1	+ 0·4	296·3	299·7	6th	290·8	287·8	29th	293·5	293·8	—0·4	68	— 8
532	Ponta Delgada	37 44	25 40	22	1019·7	1021·5	+ 0·5	295·7	298·7	14th	291·1	288·7	29th, 30th	293·4	293·9	+0·1	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	57	— 41
532	Madeira (Funchal)	32 37	16 54	25	‡1015·4	‡1018·3	— 0·9	297·7	299·0	8th	292·8	291·0	24th	295·3	*295·3*	+0·4	32	+ 2
535	Lisbon	38 43	9 9	95	1006·1	1017·2	0·0	298·8	306·7	1st	290·3	286·4	10th	294·5	*294·1*	+1·0	21	— 16
536	Gibraltar	36 0	5 21	10·2	1015·2	1017·1	— 0·4	299·4	301·4	6th, 9th	293·0	287·5	24th	296·2	*295·6*	+0·7	1	— 34
536	Melilla	35 18 N.	2 59 W.	8 metres.	1015·7	1016·6	— 3·1	301·2	303·2	5th	291·4	288·6	24th	296·3	*298·0*	—2·0	0	— 11
		° ′	° ′		mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

SEPTEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1014·5	1017·2	— 0·4	300·3	304·0	10th	290·3	284·2	25th	295·3	..	—0·8	64	+ 9
538	Algiers (Bouzaréah)	36 48	3 2	343	977·1	1016·2	— 0·2	298·7	307·9	18th	291·8	289·4	3rd	295·3	294·8	+0·5	5	— 25
539	Tunis	36 48	10 10	21	1017·1	1019·5	..	302·4	308·4	10th	292·1	287·8	9th	297·2	*296·4*	—0·2	26	+ 1
539a	Malta	35 54	14 31	56·4	..	1018·2	+ 1·1	300·0	301·9	10th, 11th	294·7	293·6	25th	297·3	*296·6*	—0·1	8	— 24
540	Riposto	37 41	15 14	14·2	..	1020·1	+ 2·3	298·8	302·8	1st	293·1	291·6	17th	295·9	*295·5*	—0·9	122	+ 62
541	Athens	37 58	23 43	107	1004·5	1016·9	+ 2·1	300·8	303·5	25th	291·5	288·1	16th	296·1	295·9	—0·3	0	— 15
542	Alexandria	31 12	29 53	32·0	1010·3	1014·0	+ 0·4	302·8	304·6	8th	‡295·6	‡294·3	1st	‡299·2	*‡298·4*	+0·2	0	— 1
543	Cairo (Helwan)	29 52	31 20	116	991·1	1012·4	+ 0·2	304·2	312·0	1st	292·5	289·9	18th	298·3	298·1	—0·5	0	— 4
544	Nicosia (P.W.D.)	35 9	33 22	159	992·7	1010·6	— 0·1	304·6	308·0	1st, 10th	290·9	289·1	sev. dates	297·8	..	—0·8	1	— 5
544a	Beirut	33 54	35 28	33·7	..	1011·3	— 0·6	301·9	304·0	2nd	295·4	293·8	27th	298·6	*298·6*	—0·4	2	+ 4
545	Baghdad	33 21	44 28	38·1	..	1007·4	+ 0·2	311·3	316·9	3rd	295·7	289·0	29th	303·5	*301·6*	—0·3	4	+ 47
546	Lenkoran	38 46	48 52	— 20	1019·6	1017·2	+ 1·2	..	..	..	289·8	285·7	30th	..	*292·2*	—2·3	135	+ 17
547	Tehran	35 41	51 25	1220	..	..	..	304·1	310·0	8th	292·0	283·6	28th	298·1	*297·9*	+0·1	18	+ 3
548	Meshed	36 16	59 35	946	..	..	..	303·2	308·8	1st	284·5	278·8	30th	293·9	..	+1·8	4	
549	Seistan	31 0	61 30	?	..	..	..	309·2	313·4	20th	294·1	288·7	25th	301·6	..	..	0	..
550	Quetta	30 11	67 3	1677	831·3	..	— 0·5	305·0	307·5	9th	284·4	278·8	27th	294·7	*294·5*	+2·1	0	— 2
551	Peshawar	34 2	71 37	339	966·5	1004·2	— 1·8	311·2	316·1	2nd	295·4	291·3	30th	303·3	*302·7*	+1·9	3	— 17
551a	Lahore	31 34	74 20	214	979·9	1003·7	— 1·1	311·0	313·8	10th	298·1	294·4	30th	304·5	*303·9*	+1·6	7	— 53
552	Simla	31 7	77 8	2205	780·6	..	0·0	291·1	293·9	30th	286·5	283·6	24th	288·8	*288·6*	—0·5	239	+ 80
552a	Leh	34 10	77 42	3503	666·9	..	— 0·5	292·5	295·8	1st	278·1	274·9	25th	285·3	*284·1*	—1·0	0	— 0
559	Hankow	30 35	114 17	37·0	1007·1	1011·4	— 2·0	300·8	307·8	2nd	293·9	289·6	17th	297·3	*297·1*	+0·1	86	+ 30
560	Tientsin	39 10	117 10	5·0	1016·2	1016·8	+ 2·0	298·2	305·7	2nd	288·6	281·6	25th	293·4	*293·1*	—0·9	50	+ 2
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1010·9	— 1·3	302·5	306·8	1st	294·5	289·5	27th	298·5	297·4	+1·6	93	— 20
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1006·2	1014·1	+ 1·4	298·8	305·0	5th	290·1	284·1	26th	294·5	293·9	+0·6	51	+ 7
562a	Nagasaki	32 44	129 52	133	996·1	1011·3	— 0·1	301·4	305·7	5th	294·0	290·1	27th	297·7	297·2	+0·8	290	+ 116
563	Kyoto	35 1	135 44	42·9	1008·5	1013·5	+ 1·7	301·2	306·7	4th	290·9	285·5	20th	296·1	295·3	+0·2	80	+144
564	Tokyo	35 41	139 45	21·3	1011·9	1014·4	+ 1·2	298·5	304·4	5th	291·2	285·6	21st	294·9	294·4	—0·5	370	+ 53
565	Kanayama	37 53	140 46	24·6	1011·8	1014·7	+ 1·1	297·1	304·6	5th	288·0	280·2	21st	292·5	292·0	—0·4	194	+ 86
566	Miyako	39 38	141 59	30·4	1010·9	1014·5	+ 1·1	296·9	304·5	1st	287·1	280·9	21st	292·0	291·1	—0·2	138	

SEPTEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1018·3	+ 2·2	302·7	304·7	26th	295·6	293·0	10th	299·1	*298·6*	..	122	..
605	Honolulu	21 19	157 52	11·6	1014·8	1016·1	+ 0·4	301·7	303·0	..	296·6	295·2	..	299·1	*298·9*	+0·3	8	— 31
614	La Paz	24 10	110 20	12	1007·7	1009·0	..	309·4	314·0	sev. dates	295·9	292·6	10th	302·6	..	..	17	..
615	Chihuahua	28 38	106 4	1423	861·3	1012·3	..	..	299·0	302·5	9th	287·9	284·7	30th	293·4	*293·4*	..	97	— 74
616	Leon	21 7	101 41	1809	821·7	1010·6	+ 0·1	299·1	301·5	25th	286·9	283·7	25th	293·0	..	+0·2	51	— 26
616a	Monterry	25 40	100 18	528	952·8	1011·0	..	307·2	311·4	23rd	292·4	288·0	30th	299·8	*300·2*	..	86	— 77
617	Tulancingo	20 5	98 22	2180	793·5	..	..	..	297·0	..	..	279·0	..	..	288·7	—0·6	9	— 78
618	Galveston	29 18	94 50	16·5	1013·1	1015·2	+ 0·1	303·2	306·3	16th	297·7	286·3	30th	300·4	*300·2*	+0·9	73	— 20
618a	New Orleans	29 57	90 4	16·2	..	1014·5	— 0·6	304·4	308·6	16th	296·6	285·2	30th	300·5	*299·7*	+1·1	104	— 20
619	Merida, Yuc.	20 58	89 38	22	1010·7	1013·1	..	304·5	306·0	9th, 12th	296·3	295·2	19th	300·4	*299·9*	..	56	— 96
620	Havana	23 8	82 21	24·3	..	1014·5	+ 0·9	303·3	305·1	4th	297·0	295·2	18th	300·1	299·7	0·0	220	+ 133
620a	Key West	24 33	81 48	6·7	1013·3	1013·9	— 0·1	303·8	305·8	15th	297·9	294·7	20th	300·9	*300·9*	—0·2	302	+ 14
621	Nassau, Bahamas	25 5	77 21	7·3	..	‡1014·9	+ 0·5	302·6	..	..	..	..	..	299·7	*299·9*	—1·0	108	— 14
622	Watling Island	24 6	74 26	33·5	1012·5	1016·3	+ 1·8	..	303·6	sev. dates	..	297·4	16th	..	*301·4*	..	..	..
633	Izaña	28 19	16 30	2367	770·3	..	..	290·3	297·4	5th	282·1	277·0	10th	286·2	*285·4*	..	10	— 2
634	La Laguna	28 28	W16 20	547	952·2	1014·3	— 2·2	298·2	303·9	19th	288·8	284·4	4th	293·5	*292·9*	—0·3	11	— 1
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	..	..	..	..	..	..	0	..
641	Siwa	29 12	25 29	— 23	..	..	..	305·0	308·9	17th	290·9	287·9	26th	298·0	..	..	0	..
642																		
643	Aswan	24 2	32 53	99·6	997·6	1008·8	+ 0·3	312·0	318·1	2nd	296·4	292·5	28th	304·2	*303·6*	+0·2	0	— 0
644	Tor	28 14	33 37	1·9	1008·4	1008·6	+ 0·1	304·4	307·6	13th	294·1	291·7	28th	299·2	299·3	—0·2	0	— 0
647	Bushire	28 59	50 53	4·3	1004·8	1005·4	— 0·4	307·3	308·9	6th	300·2	296·1	18th	303·8	*303·3*	+0·4	0	— 0
648	Jask	25 44	57 47	4·0	1005·7	1006·2	0·0	307·1	310·4	26th	298·7	297·2	10th	302·9	*302·4*	—0·7	0	— 0
649	Karachi	24 53	66 57	4·0	1006·6	1007·1	+ 0·4	302·9	304·1	7th	298·8	298·1	26th, 28th	300·9	*300·4*	+0·8	1	— 2
650	Jacobabad	28 17	68 29	56·7	997·4	1003·7	— 0·6	312·4	315·6	9th	298·2	295·2	28th	305·3	*304·7*	+0·2	3	— 80
651	Jaipur	26 56	75 52	436	958·6	1006·3	+ 0·2	310·2	313·3	25th	296·2	294·2	27th	303·2	*302·4*	+1·4	130	— 30
652	Nagpur	21 8	79 5	310	972·6	1007·1	+ 0·9	306·4	309·6	29th	296·4	295·4	30th	301·4	*300·7*	+0·9	56	+137
653	Allahabad	25 25	81 51	94·1	994·9	1005·4	+ 0·1	308·1	310·4	27th	298·2	295·2	28th	303·1	*302·4*	+1·1	238	+ 14
653a	Darjeeling	27 3	88 18	2266	775·3	..	— 1·0	291·9	297·7	6th	286·3	284·9	11th	289·1	*288·9*	+0·4	594	— 0
654	Calcutta	22 36	88 23	6·4	1003·6	1004·2	— 1·5	304·8	307·1	7th	299·1	297·2	16th	301·9	*301·8*	+0·7	238	
655	Gauhati	26 8	91 41	59·7	1000·0	1006·8	— 0·2	304·6	307·3	5th, 27th	297·4	296·1	7th	301·0	*300·1*	—0·5	201	+ 44
655m	Cherrapunji	25 15	91 42	1314	866·3	..	— 0·4	295·6	300·2	8th	291·6	289·3	18th	293·6	*293·1*	—0·1	1718	+ 86
655a	Akyab	20 11	92 56	6·1	1005·0	1005·6	— 2·0	303·4	305·8	26th	297·6	296·2	28th	300·5	*300·4*	—0·4	635	+ 61
656	Mandalay	21 59	96 0	76·2	998·5	1007·1	— 1·1	307·7	311·9	26th	298·7	296·8	21st	303·2	*302·4*	+0·8	85	— 44
656a	Tengyueh	24 59	98 35	1633	..	..	..	296·8	301·3	6th	289·0	285·2	24th	292·9	*291·9*	..	138	+ 44
657	Phu Lien	20 48	106 38	116	993·4	1006·6	— 1·1	302·6	307·3	6th	297·0	293·8	18th	299·8	299·3	—0·5	536	+ 44
658	Moncay	21 31	107 51	9·0	1005·9	1006·9	— 0·5	303·1	308·0	6th	296·4	294·7	17th	299·8	*299·6*	—0·8	745	+ 44
659	Hongkong	22 18	114 10	33·2	..	1006·8	— 1·6	302·8	305·2	3rd	298·3	295·9	12th	300·5	300·3	+0·4	298	+ 44
660	Amoy	24 27	118 4	ca.3	1006·8	1007·1	— 2·6	304·1	308·6	2nd	299·3	296·9	29th	301·7	*301·4*	+0·6	125	+ 72
661	Taihoku, Formosa	25 2	121 31	9·3	1005·7	1006·7	— 2·7	304·8	307·8	22nd	296·4	293·5	29th	300·6	300·0	+0·8	529	+ 53
661a	Basco	20 28	121 59	18·7	1002·9	1005·3	— 1·0	304·2	305·9	18th	297·5	294·8	17th	300·9	*300·5*	—0·1	290	+ 53
662	Naha	26 13	127 41	10·5	1006·7	1008·0	— 1·0	303·5	305·9	25th	297·1	294·9	13th	300·3	299·9	+0·2	214	+ 22
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1010·5	1010·9	— 0·9	302·8	305·4	10th	296·5	294·1	18th	299·7	299·2	—0·6	144	— 11
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

SEPTEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	955·6	1010·3	..	302·7	305·1	16th	296·5	294·4	5th	299·6	*298·7*	..	77	..
716	Morelia	19 42	101 7	1923	809·6	1007·4	..	295·1	299·3	23rd	286·3	281·8	21st	290·7	*290·9*	..	100	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·6	1011·4	+ 0·6	295·8	299·0	24th, 25th	282·8	278·8	24th	289·3	288·4	—0·1	42	— 62
718	Salina Cruz	16 12	95 12	56	1005·2	1011·8	..	303·8	306·5	6th	296·9	294·3	25th	300·4	*299·9*	..	250	..
719	San Salvador	13 42	89 13	682	935·6	1011·2	+ 1·0	305·0	308·0	10th	291·0	288·5	10th	298·0	*295·7*	—0·4	265	— 26
720	Belize	17 29	88 12	5·2	1011·9	1012·5	+ 2·3	303·1	304·7	5th	296·7	293·6	8th	299·9	*299·5*	—1·0	184	— 51
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·5	+ 0·9	304·1	305·5	1st	295·5	293·3	10th	299·8	*299·2*	—0·1	135	— 56
722	Port au Prince	18 34	72 22	37·4	1009·4	1013·7	+ 1·0	298·9	301·2	1st	288·6	287·2	1st	293·7	*292·7*	—0·8	209	+116
723	Caracas	10 30	66 55	1042	899·7	1015·3	..	304·0	305·8	29th, 30th	296·4	294·1	28th	300·2	*299·8*	..	203	..
724a	Montserrat	16 41	62 9	39·6	1009·1	1013·7	0·0	302·7	304·7	5th, 7th	296·7	295·2	2, 3, 21	299·7	*299·1*	—0·1	193	— 17
725	Grenada (Richmond Hill)	12 5	61 46	155	‡993·9	‡1011·7	— 0·4	303·4	304·6	1st	296·3	293·9	9th	299·9	*300·0*	+0·5	94	—103
726	Barbados	13 8	59 36	55·2	..	1013·0	+ 0·1											
731	São Vicente, C. Verde Is.	16 54	25 4	11	1012·4	1013·6	+ 0·5	301·8	303·0	7, 23, 28	..	..	..	..	*299·5*	+0·5	2	— 49
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1008·8	1013·3	0·0	302·9	304·6	14th	298·1	296·6	12th	300·5	*300·7*	+0·6	17	— 91
733	Bathurst	13 27	16 36	1·8	1013·1	1013·3	+ 0·9	304·0	306·3	5th	296·1	294·1	9th	300·1	*300·5*	+0·5	180	— 75
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	..	..	..	294·6	294·1	9, 20, 29	..	..	..	170	— 17
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	305·3	310·2	24, 25, 26	292·7	288·6	4, 8, 11	299·0	*298·2*	—1·3	193	+ 86
738	Kaduna Capital	10 32	7 25	637	944·7	1016·4	+ 1·6	301·8	304·7	6th	292·1	290·2	1st	296·9	*296·2*	—0·2	337	+ 45
739	Hadejia	12 40	10 5	?	..	..	..	307·9	313·0	30th	293·9	290·2	28th	300·9	*300·1*	0·0	22	..
740	Maidnguri	11 47	13 11	361	..	..	..	306·9	309·7	22nd, 23rd	295·7	291·3	28th	301·3	*300·6*	+0·3	118	+ 5
741	El Fasher	13 32	25 18	730	..	..	..	307·6	310·3	28th	290·2	288·3	29th	298·9	*298·7*	..	19	..
743	El Obeid	13 11	30 14	569	..	..	..	307·8	309·5	4th, 15th	..	..	..	..	*‡298·0*	..	96	+ 9
744	Khartoum	15 37	32 33	390	965·0	1008·0	0·0	310·2	313·4	16th	298·1	293·8	20th	304·1	*303·9*	—0·9	49	+ 31
744	Port Sudan	19 37	37 13	5·5	1006·4	1007·1	— 0·2	309·5	310·1	6th	301·1	298·3	28th	305·3	*305·0*	+0·7	0	0
745	Berbera, Somaliland	10 22	45 2	9·5	1005·5	1006·5	— 1·2	312·7	316·9	8th	301·3	298·6	22nd	307·0	*306·9*	+0·0	3	+ 2
746	Aden	12 45	45 3	28·7	1003·9	1007·1	— 0·9	306·8	308·4	8th, 10th	301·3	300·3	25th	304·1	*303·7*	—0·1	4	0
751	Bombay	18 54	72 49	11·3	1008·3	1009·6	0·0	303·3	305·0	30th	298·6	297·3	12th	300·9	*300·4*	+1·1	103	—166
752	Cochin	10 58	76 21	2·7	1011·0	1011·3	— 0·2	302·1	303·4	27th	296·7	295·2	8th	299·4	*298·8*	—0·2	307	+ 87
753	Kodaikanal	10 14	77 28	2343	770·1	..	— 0·1	290·6	292·2	27th	284·2	282·3	9th	287·4	*287·4*	+0·2	315	+144
754	Bangalore	12 59	77 38	920	909·3	1009·7	0·0	301·2	303·8	4th	292·1	290·1	7th	296·7	*295·7*	+0·6	169	— 8
755	Madras	13 4	80 14	6·7	1007·3	1008·0	— 0·3	308·2	311·7	12th	298·9	296·1	21st	303·6	*303·1*	+1·3	12	—120
756	Vizagapatam	17 42	83 19	11·6	1004·3	1005·6	— 0·3	305·3	308·1	6th	299·9	298·0	22nd	302·6	*302·0*	+1·2	98	— 85
757	Port Blair	11 40	92 40	17·7	1005·8	1007·9	— 1·6	302·2	303·8	14th	297·3	295·8	5th	299·7	*299·1*	—0·4	505	+ 39
757	Rangoon	16 46	95 48	5·5	1007·1	1007·9	— 1·2	303·3	305·3	1st	297·6	295·3	7th	300·4	*299·5*	+0·3	373	— 15
758	Saigon	10 47	106 42	11·2	..	..	..	303·4	306·0	14th	296·5	295·0	5th	300·0	*299·5*	—0·4	241	—113
758	Cap St. Jacques	10 20	107 5	180	987·1	1007·7	+ 0·1	..	..	..	..	..	..	..	..	..	..	..
759	Nhatrang	12 15	109 12	3·6	1005·4	1005·8	— 0·9	304·4	307·3	7th, 8th	296·9	294·9	28th, 29th	300·6	*300·1*	—0·6	225	+ 46
760	Bolinao	16 24	119 53	7·1	1003·7	1004·5	— 1·6	304·6	306·5	8th, 18th	297·8	296·2	19th	301·2	*300·3*	+0·5	..	..
761	Vigan	17 34	120 23	12·2	..	1005·8	— 1·1	304·1	306·1	19th	297·3	295·5	9th	300·7	300·5	+0·6	325	—104
762	Manila	14 35	120 59	14·2	..	1006·9	— 0·3	304·4	306·5	1st	296·6	295·4	14th	300·5	299·8	0·0	328	— 35
764	Ormoc	11 0	124 36	5·6	1006·1	1006·8	— 0·5	305·7	307·9	11th, 14th	296·5	294·9	29th	301·1	*300·1*	+0·5	282	+ 10
765	Guam, Ladrone Is.	13 24	144 38	20·4	1004·7	1007·2	0·0	303·0	304·5	12th	297·8	296·0	2nd	300·4	*300·1*	0·0	284	—116
		N.	E.															

Between Latitude 10° N. and 0°.

SEPTEMBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
771	Fanning Island	3 55	159 23	3·1	..	..	..	303·0	305·2	19th, 20th	296·7	294·1	2nd, 4th	299·8	*299·4*	—0·4	0	— 77
772	Colon	9 23	79 23	11·0	..	1010·5	+ 0·2	303·8	306·3	18th	297·2	296·3	6th	300·5	*300·0*	+1·0	173	—149
773	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	78	+ 19
774	Merida, Venez.	8 36	71 9	1641	‡841·5	..	..	297·7	300·5	7th	288·1	285·0	12th	292·9	*291·6*	..	164	..
775	El Peru, Guayanavieja	7 19	61 49	220	985·6	1010·5	+ 0·1	304·5	306·3	6th	294·2	292·9	9th	299·3	*298·6*	+0·4	277	+162
776	Georgetown, Brit. Guiana	6 50	58 12	1·8	‡1013·6	‡1014·0	+ 1·1	303·4	304·4	24th	297·1	295·8	24th, 27th	300·3	*300·1*	—0·1	72	— 8
777	Paramaribo	5 49	55 9	3·7	..	..	..	305·2	306·7	25th	296·2	294·8	23rd	300·7	*299·8*	+0·2	139	+ 70
778	Cayenne	4 56	52 21	6	..	..	..	306·2	307·2	2, 3, 5	294·0	292·8	7th	300·1	*299·8*	—1·0	28	— 3
781	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
782	Freetown, Sierra Leone	8 29	13 9	68·3	1005·4	1013·3	+ 1·1	302·1	303·6	18, 19, 28	..	..	..	..	*‡298·5*	—1·0	643	— 80
783	Cape Coast	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	7	— 20
784	Accra	5 33	W 0 12	25·7	1013·3	1013·8	— 0·7	301·0	303·6	..	295·9	294·7	..	298·4	*298·0*	—0·4	9	— 16
785	Lagos	6 27	E 3 24	4·6	..	..	..	303·7	306·3	21, 25, 29	293·8	292·4	2nd, 11th	298·8	*298·2*	—0·1	11	—123
786	Zungeru	9 48	6 10	130	..	..	..	..	..	..	..	..	..	..	..	..	312	+ 50
787	Libreville	0 23	9 26	35	..	..	..	303·5	306·3	29th	..	..	..	..	*‡297·7*	—1·0	249	+ 63
788	Yola	9 12	12 30	259	..	..	..	307·0	312·0	29th	293·6	291·0	29th, 30th	300·3	*298·9*	+0·7	190	+ 28
789	Wau	7 42	28 3	440	..	..	..											
793	Malakal (Kodok)	9 35	31 37	394	965·6	1009·8	— 0·5	305·4	308·0	28th	..	..	..	..	*‡297·4*	..	244	+120
794	Mongalla	5 11	31 47	439	959·9	1008·6	— 0·4	?305·2	?309·0	25th	293·4	291·0	9th	?299·3	*?298·2*	+0·1	171	+ 47
795	Entebbe	0 5	32 29	1171	884·1	1010·4	+ 0·1	299·1	301·6	24th	289·1	286·9	19th	294·1	*293·9*	—0·3	42	— 36
796	Minicoy	8 17	72 49	2·1	1012·2	1012·4	+ 0·6	..	..	..	..	..	..	..	..	..	247	+ 91
797	Colombo Observatory	6 54	79 53	7·3	..	1010·1	+ 0·3	302·6	303·5	13th	297·7	295·8	21st	300·1	*299·5*	—0·1	52	— 97
798	Nuwara Elija	6 59	80 47	1886	812·7	1011·0	..	292·7	296·2	25th	284·9	281·3	20th	288·8	*288·1*	+0·7	179	— 31
799	Trincomalee	8 34	81 14	30·2	..	1007·1	+ 0

SEPTEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	305·9	308·0	13th	296·7	295·0	8th	301·3	*300·1*	—1·1	20	— 21
926	Taperinha	2 30	54 20	20·0	1009·4	1011·7	+ 0·1	303·7	305·4	1st	294·9	293·4	15th, 26th	299·3	*298·1*	—0·8	112	+ 7
927	Turyassu	1 43	45 26	15·1	1010·1	1011·8	— 0·3	305·2	306·8	29th	295·7	292·0	11th	300·4	*299·6*	+0·1	18	+ 33
928	Barra do Corda	5 30	45 16	81·0	1000·9	1010·2	— 0·6	..	..	..	293·3	289·6	3rd	..	*298·8*	—1·0	60	+ 14
929	Quixeramobim	5 16	39 15	207	989·5	1012·9	— 0·2	305·9	307·2	26th	297·5	295·6	30th	301·7	*300·6*	—0·1	15	+ 5
930	Fernando Noronha	3 50	W32 25	106	1002·0	1014·0	— 0·2	300·0	301·0	25th	296·2	294·7	3rd	298·1	*298·0*	..	12	
939	Loanda	8 49	E 13 13	59·3	..	1015·8	+ 1·5	296·5	299·0	30th	292·4	290·9	3rd	294·5	293·9	—0·4	0	— 2
940	Brazzaville	4 17	15 16	320	976·6	1012·4	— 0·8	306·8	310·0	sev. dates	294·9	292·0	16th	300·9	*300·1*	+2·4	1	— 22
943	Masaka	0 21	31 47	?1280	..	..	..	299·6	301·9	30th	288·9	286·9	30th	294·3	*293·0*	+0·6	51	— 26
944	Nairobi	1 14	36 44	1800	..	..	..	299·7	303·0	13th	285·2	278·0	7, 8, 9	292·4	*291·9*	+2·2	21	— 9
944*a*	Zanzibar	6 10	39 11	21·9	1016·0	1018·5	+ 0·3	300·9	302·1	21st	295·6	294·6	7th	298·3	*297·4*	—0·3	41	— 14
945	Lamu	2 16	40 50	3·1	..	..	..	301·3	303·6	16th	294·7	291·3	3rd	298·0	*297·5*	—1·3	10	— 22
947	Seychelles, Port Office	4 37	55 27	4·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
958	Batavia	6 11	106 50	8·0	1008·7	1009·6	— 0·9	303·3	305·3	29th	296·1	295·0	20th	299·7	299·4	—0·1	256	—151
958*a*	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	150	+ 35
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	229	+ 19
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	1	— 6
962	Amboina	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	6	— 8
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	431	+200
965	Daru	9 4	143 13	7·6	..	1012·5	+ 0·4	298·8	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	1012·3	+ 0·4	300·9	..	..	296·9	..	..	298·9	*298·5*	+0·1	27	— 18
967																	17	— 18
968	Rendova	8 30	157 12	1·8	1010·7	1010·8	+ 0·8	..	..	..	..	..	..	..	..	..	..	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1011·0	1011·3	+ 1·1	304·8	306·8	3rd	297·8	296·2	21st	301·3	*301·1*	+1·2	395	+ 80
970	Ocean Island	0 52 S.	169 35 E.	54·0	1001·5	1007·6	— 0·8	304·6	305·8	2nd, 26th	297·9	295·8	7, 29, 30	301·3	*300·6*	+0·4	89	—102
																	30	— 69

SEPTEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

1002	Apia, Samoa	13 48	171 46	2	..	1012·2	+ 0·1	303·7	305·2	26th, 27th	294·7	293·6	2nd	299·2	299·9	+1·3	56	— 74
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·1	306·9	16th	294·1	291·3	2, 5, 6	297·6	*297·4*	+1·1	156	+ 37
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	761·8	..	+ 0·4	292·9	294·3	30th	282·3	278·4	22nd	287·6	*287·1*	—0·1	0	0
1022	Puerto de Arica	18 28	70 20	5	..	..	..	292·0	292·4	sev. dates	285·4	285·0	sev. dates	288·7	..	—0·7	0	0
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	729·5	..	..	291·5	296·6	14th	278·6	273·0	26th	285·1	*285·0*	..	19	— 1
1025	Corumba	18 59	57 39	116	998·4	1011·6	+ 0·2	303·0	308·6	13th	293·1	287·0	26th	298·0	*297·4*	—0·5	113	+ 55
1026	Cuyaba	15 36	56 6	165	992·5	1011·0	+ 1·0	306·5	310·1	11th	293·6	285·5	26th	300·0	*299·9*	—0·6	32	+ 18
1027	Bello Horizonte	19 55	43 57	**	915·0	1014·4	— 1·5	297·9	304·2	15th	286·7	281·0	27th	292·3	*292·3*	—0·8	54	+ 15
1028	Caetite	14 3	42 37	900	916·8	1015·6	+ 0·8	299·6	305·3	24th	289·3	284·5	28th	294·4	*295·2*	—0·4	9	+ 156
1029	Ondina (Bahia)	13 0	38 31	46·6	1009·7	1015·2	— 0·8	299·3	301·8	24th	294·3	293·0	4th	296·8	*296·6*	0·0	232	— 6
1030	Aracaju	10 54	37 3	4·0	1015·2	1015·6	— 0·6	300·3	301·5	29th	294·8	293·0	6th	297·5	*298·4*	+0·1	32	
1035	St. Helena	15 57	W 5 40	‡579	947·4	1014·4	+ 0·7	293·0	294·0	13th	284·9	283·6	26th	288·9	*288·6*	+1·5	110	+ 33
1039	Mossamedes	15 11	E 12 10	12·5	..	..	..	292·0	297·6	30th	287·3	284·5	13th	289·7	*289·4*	..	0	— 5
1042	Gwelo	19 28	29 48	1417	863·4	1014·2	— 0·1	304·0	?306·9	25th, 26th	284·9	282·4	6, 7, 15	294·5	..	+2·6	0	— 5
1043	Salisbury, Rhodesia	17 48	31 5	1457	857·1	1012·2	— 2·2	302·9	305·2	17th	284·7	280·8	5th, 6th	293·8	*292·9*	+1·7	0	— 8
1044	Zomba	15 23	35 18	996	909·1	1018·1	— 2·8	302·1	304·7	15, 26, 27	288·3	285·8	3, 7, 9	295·2	*295·4*	+1·4	0	— 13
1045	Antananarivo	18 55	47 32	1400	867·3	1019·6	0·0	298·8	303·3	22nd	283·3	278·7	4th	291·1	*290·1*	+1·0	2	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1013·0	1013·6	— 0·1	300·4	302·2	1st	296·5	295·2	17th, 23rd	298·4	*298·1*	—0·8	59	— 58
1057	Christmas Island	10 25	105 43	5·5	1009·1	1009·7	— 0·6	302·8	304·1	..	295·6	293·6	..	299·2	*298·7*	—0·5	129	+ 49
1061	Kupang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	0	— 2
1061*a*	Derby	17 18	123 40	16·2	1011·0	1012·9	— 0·1	306·0	310·8	27th	293·1	288·7	3rd	299·6	..	+0·2	8	+ 4
1062	Hall's Creek	18 13	127 46	374	971·6	1013·1	— 0·2	305·1	310·0	11th	290·1	284·1	1st	297·6	*297·1*	0·0	53	+ 1
1063	Darwin	12 28	130 51	29·6	1007·6	1010·9	— 0·6	306·6	309·2	23rd	296·9	294·1	1st, 24th	301·8	*300·7*	+0·7	8	— 2
1064	Daly Waters	16 16	133 23	211	986·8	1010·2	— 1·6	307·9	311·9	13th	292·4	286·9	3rd	300·2	*299·7*	+0·6	5	— 8
1065	Mein	13 13	142 47	122	997·5	1011·3	— 0·4	304·2	308·0	12th	292·4	287·2	2nd	298·3	..	—0·3	0	— 1
1066	Georgetown, Queensland	18 22	143 32	302	980·4	1014·2	+ 0·1	305·6	309·4	13th	291·3	285·7	28th	298·4	..	+1·1	0	— 1
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1072	Suva, Fiji	18 8 S.	178 26 E.	17·7	1013·0	1015·1	— 0·5	298·8	302·6	13th	293·6	290·6	10th	296·2	*296·0*	—0·4	242	+ 65
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.
** Height changed from 857 m. to 895 m. from September 1st.

SEPTEMBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	297·2	300·2	27th	293·3	290·2	5th	295·3	*295·1*	+0·4	209	+198
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·2	1017·5	+ 0·1	289·3	294·0	24th	284·0	282·2	15th	286·7	*286·4*	+0·8	0	— 3
1122	Iquique	20 12	70 11	9	1015·1	1016·2	— 0·2	292·1	294·4	15th	286·8	284·5	24th	289·5	*289·5*	0·0	0	0
1123	Catamarca	28 27	65 47	510	951·7	1009·5	— 2·1	300·0	310·2	11th	286·0	282·0	27th, 28th	293·0	292·7	+0·4	44	+ 37
1124	Salta	24 46	65 28	1178	883·0	1012·7	+ 0·1	296·4	307·0	30th	282·8	276·5	27th	289·6	289·9	+0·1	8	+ 2
1125	Goya	29 9	59 15	26	1011·4	1014·5	— 1·1	297·9	306·8	30th	285·9	277·2	25th	291·9	291·6	+1·2	15	— 47
1126	Asuncion	25 21	57 37	95	‡1004·5	‡1015·6	— 1·0	302·3	310·0	14th	288·1	278·1	25th	295·2	293·3	—0·7	110	+ 42
1127	Curityba	25 25	49 17	908	915·5	1018·3	— 0·4	292·7	300·9	13th	281·7	271·1	26th	287·2	*286·8*	—0·7	162	+ 43
1128	Rio de Janeiro	22 54	W43 10	61·4	1010·4	1019·2	+ 1·0	296·4	304·8	13th	290·9	287·4	26th	293·6	293·3	—0·5	43	— 24
1139	Windhoek	22 35	E 17 5	1680	..	..	..	299·4	303·3	27th	286·3	275·5	13th	292·8	*292·7*	+1·0	0	— 1
1140	Kimberley	28 42	24 47	1202	882·9	1015·4	— 1·5	297·1	304·2	23rd	281·0	275·2	15th	289·0	288·8	—0·5	12	— 4
1141	Johannesburg	26 11	28 4	1806	824·4	1015·9	— 1·3	295·6	299·7	24th	282·1	276·8	14th	288·8	*288·7*	+0·6	47	+ 23
1142	Pretoria (Brooklyn)	25 46	28 13	1400	863·7	1014·7	— 1·2	298·8	303·3	21st	283·8	279·1	14th	291·3	*291·2*	+1·3	42	..
1143	Bulawayo	20 9	28 35	1340	869·6	1012·9	— 1·0	303·1	306·3	25th	286·0	282·5	7th	294·5	*294·3*	+1·7	0	— 3
1144	Durban	29 52	31 3	15·2	1017·1	1018·9	— 1·9	295·5	301·7	23rd	288·4	285·3	5th	292·0	*291·5*	—0·1	64	— 17
1147	Lourenço Marques	25 58	32 36	59	..	1017·2	— 1·6	299·7	309·2	24th	289·5	284·9	6th	294·6	294·1	+0·2	30	+ 1
1159	Mauritius	20 6	57 33	55·2	1013·0	1019·5	— 0·7	298·1	299·8	28th	289·1	286·3	5th	293·6	293·2	—0·7	49	+ 16
1160	Onslow	21 43	114 57	4·3	1012·4	1013·3	— 1·2	302·6	308·0	20th	287·0	284·2	5th	294·8	..	+0·3	12	+ 11
	Peak Hill	25 38	118 47	588	946·8	1013·4	— 1·2	298·4	304·7	26th	284·8	280·3	5th	291·6	..	—0·2	6	0
1161	Nullagine	21 53	120 5	386	969·7	1012·9	— 1·2	302·1	308·2	28th	284·8	277·7	6th	293·4	..	—1·5	6	+ 6
1162	Laverton	28 40	122 23	466	962·9	1017·9	+ 1·3	297·4	305·9	27th	283·4	276·9	2nd	290·4	*290·4*	+0·6	49	+ 41
1163	Alice Springs	23 38	133 37	587	949·0	1015·0	— 1·2	298·5	304·1	4th	284·1	278·6	19th, 21st	291·3	292·1	—0·3	12	+ 2
1164	William Creek	28 55	136 21	76·2	1008·5	1017·6	+ 0·7	295·9	303·0	24th	283·1	278·6	1st, 2nd	289·5	*289·3*	—0·5	10	— 1
1165	Thargomindah	22 55	139 38	146	997·7	1014·4	+ 0·2	302·0	308·7	10th	287·3	282·5	21st	294·7	*294·8*	+0·4	17	+ 8
1166	Mitchell	26 32	147 52	336	978·8	1017·0	..	296·0	303·6	10th	282·1	276·3	28th	289·0	..	—0·4	75	+ 41
1167	Rockhampton	23 24	150 30	11·3	1015·6	1016·9	— 0·1	300·4	304·1	12th	288·1	285·0	22nd	294·3	..	+0·1	17	— 17
1168	Brisbane	27 28	153 2	41·7	1013·5	1018·4	+ 1·3	296·3	301·1	25th	286·4	283·3	24th	291·3	*290·8*	—0·2	87	+ 35
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1016·1	1017·9	— 1·8	292·3	296·1	12th	286·4	282·7	12th	289·3	*288·9*	—0·6	71	— 26
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

SEPTEMBER—ZONE 12.

Between Latitude 30° S. and 40° S.

1201	Juan Fernandez	33 37	78 50	10	1017·8	1019·0	..	288·8	293·0	8th	281·5	279·0	4th	285·1	*286·0*	0·0	87	+ 17
1202	Punta Tumbes	36 37	73 6	91	‡1007·4	‡1018·5	— 0·7	287·4	294·0	10th	279·9	275·0	2nd	283·7	*283·8*	—0·2	51	+ 1
1203	Punta Angeles, Valparaiso	33 1	71 38	41	1012·4	1017·4	— 0·8	290·9	297·6	25th	282·4	279·5	4th	286·7	*285·8*	—0·4	2	— 29
1204	Santiago	33 27	70 42	520	956·2	1017·2	— 0·6	292·7	303·0	10th	278·7	274·0	16th	285·7	*284·8*	+0·5	1	— 29
1205	Cordoba	31 25	64 12	423	965·6	1014·5	— 1·3	297·6	306·4	..	281·6	276·3	..	289·6	289·5	+1·7	8	— 15
1206	Bahia Blanca	38 45	62 15	25	..	1015·0	— 2·3	291·5	301·0	29th	280·7	273·0	2nd	286·1	286·2	+1·0	37	— 4
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1017·6	— 0·8	293·4	302·4	29th	280·5	273·6	25th	286·9	287·0	+0·6	13	— 66
1226	Montevideo (Prado)	34 52	56 12	24·9	1015·1	1018·1	+ 0·5	292·1	303·3	29th	279·9	271·2	23rd	286·0	286·3	+0·4	12	— 73
1227	Porto Alegre	30 2	W51 13	23·5	1015·1	1017·9	+ 0·5	294·7	303·8	30th	284·5	275·6	26th	289·6	289·4	—0·1	80	— 36
1240	Cape Town	33 56	E 18 29	12·2	..	1017·7	— 1·7	290·9	300·2	27th	283·6	277·4	3rd	287·2	*285·9*	—0·2	93	+ 35
1241	Danger Point	34 37	19 18	27·7	1011·6	1014·9	..	289·5	293·0	27th	283·4	279·7	14th	286·4	..	..	106	+ 38
1242	Riversdale	34 6	21 16	?61	1005·1	1012·4	..	294·2	301·9	11th	279·9	273·0	4th	287·1	..	..	14	..
1243	East London	33 1	27 54	9·8	1015·7	1016·9	— 2·7	295·0	298·6	20th, 25th	284·9	281·9	6th, 22nd	289·9	..	+0·3	18	— 58
1260	Perth (Observatory)	31 57	115 51	60·0	1010·1	1017·6	— 0·3	292·9	301·9	26th	283·1	279·4	30th	288·0	*287·9*	+0·4	64	— 21
1261	Katanning	33 42	117 35	310	980·7	1017·6	+ 0·8	291·6	298·6	21st	280·2	275·2	29th, 30th	285·9	..	+0·9	42	— 8
1262	Coolgardie	30 57	121 10	423	967·3	1015·9	— 0·9	295·6	304·8	22nd	281·5	275·8	30th	288·6	*288·6*	+0·8	22	+ 7
1263	Eucla	31 45	128 58	4·6	1015·8	1016·4	— 0·3	292·4	302·6	23rd	283·2	275·5	2nd	287·8	*287·4*	—0·3	36	+ 17
1264	Streaky Bay	32 48	134 13	13·1	1016·6	1018·0	+ 0·4	292·2	297·2	27th	283·1	278·0	22nd	287·7	*287·3*	+0·4	53	+ 18
1265	Adelaide	34 56	138 35	42·7	1013·6	1018·8	+ 1·7	291·2	298·1	29th	282·7	277·7	27th	286·9	*286·7*	0·0	38	— 14
1266	Melbourne	37 49	144 58	35·1	1014·4	1018·6	+ 2·8	290·0	295·4	29th	281·7	275·1	23rd	285·8	*285·6*	+0·5	122	+ 61
1267	Bourke	30 13	145 58	110	1007·4	1020·7	+ 1·0	294·9	301·9	6th, 30th	282·7	277·4	27th	288·8	..	—1·3	60	+ 40
1270	Sydney	33 51	151 13	44·5	1012·8	1018·2	+ 2·3	292·4	299·0	7th	283·8	279·7	27th	288·1	*287·9*	0·0	27	— 46
1271	Lord Howe Island	31 20	159 0	4·6	1017·2	1017·8	— 0·3	292·9	295·3	12th	286·6	282·4	10th	289·8	..	—0·4	104	— 30
1272	Auckland	36 50	174 50	38·1	..	1015·2	..	288·3	290·5	21st	282·1	277·4	7th, 8th	285·2	..	—0·4	129	+ 37
	Napier	39 32 S.	176 53 E.	21·3	..	1015·3	+ 1·2	288·1	295·8	13th	279·0	273·0	8th	283·6	..	—1·4	60	+ 16

Between Latitude 40° S. and 50° S.

SEPTEMBER—ZONE 13.

1301	Chatham Island	43 52	170 42	104	..	1007·8	..	..	..	..	..	..	..	..	..	..	64	— 3
1321	Isla Guafo	43 34	74 45	140	997·2	1014·2	— 3·2	282·9	286·4	11th	278·8	274·6	1st	280·9	*280·8*	+0·1	79	+ 6
1322	Punta Galera	40 1	73 44	40	1013·1	1018·0	— 0·2	285·0	292·4	10th	279·9	275·6	2nd	282·5	*282·9*	+0·1	163	— 14
1323	Sarmiento	45 30	69 0	274	..	1008·2	..	286·6	292·0	25th	275·8	267·7	10th	281·2	280·0	—0·5	27	+ 19
1324	Punta Madryn	42 49	W64 58	14	..	1013·1	..	290·8	302·0	26th	277·6	271·0	2nd	284·2	284·2	+0·6	16	+ 6
1325	Launceston	41 27	E147 10	10·1	1015·2	1016·4	+ 4·8	288·9	294·2	5th	280·2	273·8	22nd	284·6	*283·8*	+1·4	76	+ 1
1326	Hobart	42 53	147 20	53·9	1009·5	1016·1	+ 5·5	288·6	293·4	28th	280·0	275·4	19th	284·3	*283·5*	+0·9	45	— 9
1327	Invercargill	46 25	168 21	5·5	..	..	..	285·8	290·2	13th	276·0	270·8	19th	280·9	..	—0·9	51	— 27
1328	Dunedin	45 52	170 31	91·4	..	1016·1	+ 4·6	284·5	289·1	10th	277·1	273·0	6th	280·8	..	—1·0	134	+ 64
1329	Christchurch	43 31	172 39	7·6	..	1015·0	+ 2·1	284·7	290·9	13th	277·5	272·5	3rd, 7th	281·1	..	—1·3	93	+ 48
1330	Wellington	41 16 S.	174 46 E.	2·4	..	1015·3	+ 1·4	286·1	290·4	27th	279·7	273·8	5th	282·9	..	—1·0	91	— 10
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

SEPTEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	991·1	997·8	— 6·1	279·2	281·0	16th	275·8	273·5	17th	277·5	277·5	—0·5	336	+113
1422	Puerto de Punta Arenas	53 10	70 54	4	..	..	..	..	..	..	..	..	..	..	..	..	77	+ 35
1423	Punta Dungeness	52 24	68 26	5	996·6	997·2	— 6·6	280·6	285·0	6th	275·0	274·0	11th, 12th	277·8	277·9	+0·3	18	+ 2
1424	Santa Cruz	50 11	68 21	12	999·9	1001·3	— 5·8	285·9	291·2	24th	275·8	269·8	3rd	280·9	280·4	+1·2	7	+ 1
1424a	Año Nuevo	54 39	64 8	50	988·9	995·0	— 7·3	278·9	284·4	20th	274·0	271·1	11th	276·5	276·3	—0·2	32	+ 1
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	35	..
1426	Cape Pembroke	51 41	57 42	21	..	999·0	— 6·5	280·6	285·2	7th, 26th	274·0	270·8	11th	277·3	277·3	+0·2	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	996·6	997·1	— 4·7	276·7	286·3	18th	270·0	265·6	13th	273·3	273·5	—0·2	108	+ 26

SEPTEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	987·5	988·4	— 5·2	267·5	276·3	29th	259·5	247·8	26th	263·5	264·2	—1·9	20	— 5
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—SEPTEMBER, 1920.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 905. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	17h.	9h. 17h.	7h. 21h.	9h.	9h.	8h. 21h.	9h.
1	S	11·1	SE	SW 1 SW 5	S 2 SSE 1	Calm 0	Calm 0	ENE 3 ESE 4	SE 3
2	S	..	SE	W 3 SW 3	SE 1 SSE 1	E 1	Calm 0	ESE 4 ESE 4	SE 3
3	SE	..	SE	SSW 2 SW 5	SE 1 S 2	SE 2	Calm 0	ENE 3 ENE 4	E 3
4	SE	..	SE	Calm 0 SW 1	SE 2 S 2	SE 2	ESE 2	ENE 4 ENE 4	E 3
5	SE	..	SE	SSW 1 SW 1	S 1 S 1	E 1	Calm 0	E 3 E 3	SE 2
6	S	..	SE	Calm 0 Calm 0	S 1 SSE 2	E 2	ESE 4	NE 3 NE 3	E 3
7	S	..	SE	Calm 0 SW 1	SE 1 S 2	ESE 1	ESE 2	E 2 E 3	NE 2
8	S	..	SE	Calm 0 SW 1	S 1 S 2	E 1	ESE 4	ESE 3 SE 3	NE 2
9	S	6·3	SE	NE 1 SW 2	SE 2 S 1	SE 2	ESE 4	ENE 3 ENE 3	NE 3
10	S	6·1	SE	Calm 0 SW 4	SE 2 S 2	E 7	SE 4	ENE 3 ENE 3	NE 3
11	S	7·4	SE	Calm 0 SW 3	SE 1 SSE 1	NE 3	ESE 2	E 3 E 3	NE 3
12	S	5·5	SE	Calm 0 SW 1	S 1 S 2	E 2	SE 2	ENE 4 ENE 4	NE 2
13	SSE	5·7	SE	SW 1 SW 2	SE 2 N 1	E 2	ESE 4	ENE 4 ENE 4	NE 2
14	S	7·1	SE	Calm 0 SW 4	N 1 SE 1	E 3	ESE 4	ENE 4 ENE 4	NE 2
15	S	9·6	SE	SW 1 SW 3	SE 1 N 1	E 3	ESE 4	ENE 3 ENE 3	NE 3
16	SSE	8·0	SE	Calm 0 SW 5	SW 2 SE 1	E 3	Calm 0	ENE 2 ENE 2	E 0
17	S	9·1	SE	Calm 0 Calm 0	N 1 S 2	E 2	SE 2	NNE 2 NE 3	Calm 0
18	S	7·3	SE	Calm 0 SW 1	NNW 1 SW 1	ESE 3	SE 2	NE 3 NE 3	SE 3
19	S	8·0	SE	E 1 S 5	NW 2 SE 2	— 2	ESE 2	E 3 ESE 4	SE 3
20	S	9·6	SE	Calm 0 SW 3	SE 1 S 1	SE 3	SE 2	E 2 E 3	SE 3
21	S	..	SE	NE 1 SW 1	S 2 E 2	— 2	Calm 0	E 4 E 2	SE 3
22	S	7·8	SE	Calm 0 Calm 0	E 1 S 2	NE 3	Calm 0	ENE 3 ENE 3	S 0
23	S	7·6	SE	Calm 0 Calm 0	S 1 SE 1	ENE 2	SE 2	ENE 3 ENE 3	Calm 0
24	S	9·4	SE	NE 1 SW 2	NE 2 S 2	NE 3	SE 2	E 2 NE 1	SE 2
25	S	10·7	SE	E 2 SW 3	N 1 SSE 2	NE 1	SE 4	E 2 E 3	SE 2
26	S	9·4	SE	SW 1 SW 1	SW 1 S 2	NE 2	SE 6	E 4 E 3	SE 2
27	S	7·6	SE	NE 3 SW 1	N 1 S 1	NE 2	SE 4	ENE 4 E 3	SE 2
28	S	..	SE	NE 1 E 4	SSE 2 S 2	N 1	ESE 2	ENE 2 Calm 0	SE 2
29	SE	..	SE	Calm 0 SW 1	S 1 SE 1	NE 1	Calm 0	E 2 ENE 2	SE 2
30	SE	..	SE	Calm 0 SW 1	N 2 S 2	NE 2	ESE 4	ENE 2 E 2	SE 2
Mean	..	8·1	..	0·7 2·1	1·4 1·5	2·1	2·3	3·0 3·0	2·7
§Resultant	170° (95)	..	135° (100)	225° (44)	160° (58)	85° (79)	125° (68)	80° (88)	110° (68)
§Normal	143° (91)	8·8	‖124° (80)	260° (33)	255°(29)	89° (88)	133° (81)	‖ 102° (48)	102° (59)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at ?608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—SEPTEMBER 1920.

‡‡ *Spitsbergen.*—The west coast was free of ice.

‡‡ *Greenland Sea and Denmark Strait.*—During most of the month at Angmagsalik a narrow belt of "Storis" with several icebergs was lying close to the colony, but from the 24th to 30th the sea was free of ice.

‡‡ *N. Atlantic and Labrador.*—Four icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being eleven; the southmost was in 44° N., the eastmost in 38° W. In Belle Isle Strait there were many icebergs, but no pack ice and icebergs were met with to about 200 miles from the Labrador coast.

‡‡ *Davis Strait and Baffin Bay.*—Except for a mass of ice seen early in the month south of Frederikshaab, the sea was open along the west coast of Greenland and also in and off Cumberland Sound to Ponds Inlet. Icebergs were, however, numerous in Julianehaab Bay. Durban Harbour was frozen over with young ice by the end of the month.

‡‡ *Melville Bay and Smith Sound.*—Melville Bay was free of ice except for many icebergs seen early in the month. Large floes of young thick ice were met with in Inglefield Bay on the 11th and many icebergs in Robertson Bay. A belt, 10 miles wide, of winter ice and icebergs occurred at Cape York on the 19th.

‡‡ *Beaufort Sea.*—Along the north coast of Alaska, the ice edge lay some distance off the land from Cape Lisbourne to past the mouth of the Mackenzie River. At Icy Cape it was 80 miles offshore, at Pt. Barrow 60 miles and at Martin Point 50 miles. Heavy polar ice occurred generally in the edge.

‡‡ *Isforholdene i de arktiske Have, 1920 and 1921*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, OCTOBER 1920.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF OCTOBER 1920 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **OCTOBER—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	264·9	271·9	1st	260·9	246·9	16th	262·9	..	..	20	..
123 124	Inglefield Bay	77 27	66 40	?	1008·3	..	— 0·5	..	273·9	2nd	..	256·6	19th, 20th	..	*262·9*	..	..	..
125	Upernivik	72 47	W56 7	18·9	1005·4	1007·8	— 1·2	270·6	276·3	1st	266·3	263·0	24th	268·5	*267·9*	—1·1	53	+ 25
139 140	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1011·4	1012·9	+ 2·7	..	276·8	5th	268·8	262·0	19th	..	270·7	+3·9	19	— 10
141	Björnöen	74 28	19 15	40·5	1007·8	1012·9	..	..	..	..	..	..	..	..	*273·5*	..	26	..
142	Gjesvaer	71 6	25 22	6·5	1014·2	1015·0	+ 8·2	..	281·7	10th	274·7	268·6	25th	..	*276·6*	+1·6	87	+ 9
143	Mehavn	71 1	27 47	6·4	1013·9	1014·7	+ 6·5	..	281·7	11th	273·4	265·3	27th	..	*275·6*	+1·2	125	+ 44
	Vardö	70 22	31 8	10·0	1014·0	1015·2	+ 8·0	..	281·8	11th	273·4	267·9	28th	..	*275·2*	+0·7	105	+101
147 148	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															

Between Latitude 70° N. and 60° N. **OCTOBER—ZONE 2.**

203 204 205 206	Nome	64 30	165 24	6·7	..	1002·7	— 2·7	272·4	278·0	2nd	267·2	256·3	15th	269·8	*269·7*	—1·5	48	+ 11
	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Tanana	65 10	152 6	67·1	..	1006·4	+ 0·1	269·6	275·8	1st	261·1	241·9	14th	265·3	*265·3*	—2·8	12	— 11
	Rampart	65 30	150 15	122	..	..	..	267·7	274·7	1st	261·6	248·6	15th	264·6	..	..	14	— 10
207 208 209 210 211 212	Valdez	61 7	146 16	8·2	..	1003·7	— 1·6	277·0	284·7	1st	271·5	264·1	15th, 17th	274·2	*273·9*	—1·6	195	+ 37
	Eagle	64 46	141 12	254	..	1007·1	— 1·9	271·3	281·9	26th	263·7	245·2	17th	267·5	..	—1·7	11	— 7
	Dawson	64 4	139 20	328	967·5	1009·0	— 1·1	269·7	276·3	1st	261·9	248·0	18th	265·8	..	—3·9	49	+ 15
	Carcross	..	..	662	..	..	..	276·9	283·0	14th	266·4	256·3	18th	271·7	..	—2·7	8	— 16
	Fort Good Hope	66 25	128 53	65·2	1000·3	1008·7	..	269·1	276·3	30th 31st	261·3	248·0	6th	265·2	..	..	29	+ 3
	Fort Simpson	61 52	121 35	129	990·4	1006·8	..	273·0	280·8	21st	265·2	258·0	12th, 18th	269·1	..	+0·1	43	+ 20
213	Hay River	60 51	115 20	161	987·5	1007·6	..	275·8	283·6	27th	269·1	263·0	17th	272·4	..	—0·6	24	..
225 226 227 228 229	Jacobshavn	69 13	51 2	12·6	1004·6	1006·2	— 1·4	270·5	278·3	25th	264·8	257·7	29th	267·7	*267·6*	—1·7	27	+ 3
	Godthaab	64 11	51 43	9·0	1000·6	1001·8	— 3·4	274·0	280·2	12th	269·6	264·9	24th	271·8	*272·0*	—0·1	..	..
	Ivigtut	61 12	48 10	5·0	1001·8	1002·4	— 3·0	276·1	286·7	12th	270·9	266·0	29th	273·5	*273·1*	—0·9	82	— 67
	Angmagsalik	65 37	37 33	31·7	998·2	1002·2	— 4·2	275·4	280·0	26th	271·2	264·6	18th	273·3	*273·2*	+1·4	241	+ 82
231 232 233 234 235 236	Stykkisholm	65 5	22 46	11·3	1001·0	1002·4	— 2·7	281·6	284·6	23rd	278·4	274·3	19th, 20th	280·0	*280·2*	+4·0	78	+ 1
	Vestmanno	63 26	20 15	7·7	1002·0	1002·9	— 2·2	282·1	284·0	8th	278·9	273·1	13th	280·5	*280·7*	+2·3	219	+ 72
	Grimsey	66 33	17 58	22·0	1003·0	1005·7	— 1·7	281·6	287·6	9th	..	..	..	..	*279·1*	+3·4	..	..
	Berufjord	64 40	14 19	18·0	1006·6	1008·8	+ 2·5	281·8	284·2	11th	277·5	272·3	15th	279·7	*279·6*	+3·1	287	+161
	Thorshavn	62 3	6 45	26·3	1010·4	1013·6	+ 6·0	283·7	286·9	10th	281·0	275·5	16th	282·3	*282·4*	+2·7	93	— 63
	Lerwick	60 9	W 1 8	18·0	1015·5	1017·6	+ 9·3	284·1	286·3	1st, 8th	281·7	278·0	18th	282·9	*283·3*	+2·0	11	— 89
237 238 239 240 241 242 243a	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1017·1	1022·6	+12·7	283·9	292·0	1st	278·9	274·6	27th	281·4	*281·4*	+0·9	13	+192
	Christiansund	63 7	7 45	5·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Trondhjem	63 26	10 25	39·5	1018·2	1023·1	+14·1	281·6	288·8	1st	276·2	270·9	30th	278·9	*278·8*	+0·8	21	— 90
	Bodö	67 17	14 24	22·4	1017·1	1019·8	+12·0	..	284·0	11th	276·3	270·0	17th	..	*279·0*	+1·8	95	— 13
	Haparanda	65 50	24 9	9·2	1018·7	1019·9	+ 9·6	278·1	287·0	11th	270·3	264·0	18th, 19th	274·2	*274·2*	—0·1	28	— 28
	Helsingfors	60 10	24 57	11·7	1021·5	1023·1	+ 9·6	280·0	286·2	9th	274·3	268·2	19th	277·2	277·2	—1·2	21	— 45
243a	Kuopio	62 54	27 40	90·3	1010·0	1021·4	+ 8·8	277·9	285·3	12th	272·2	265·0	28th	275·0	*274·9*	—1·2	9	— 41
243 244 245 246 247 248	Kola	68 53	33 1	6·7	1015·9	1016·8	+ 7·8	274·5	281·5	6th, 7th	269·6	256·0	26th	272·0	*272·1*	—0·4	43	+ 16
	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Arkhangelsk	64 35	40 36	6·2	1014·4	1015·2	+ 2·9	274·4	281·7	8th	269·0	257·8	29th	271·7	*271·8*	—2·4	59	+ 19
	Mezen	65 50	44 16	12·6	1011·2	1012·8	+ 1·9	272·4	279·4	7th	265·9	248·8	29th	269·2	*269·3*	—3·1	21	— 7
	Oust-Tsylma	65 25	52 14	? 70	1001·4	1010·4	— 2·6	269·3	276·9	4th	263·9	249·0	27th	266·6	*266·7*	—4·8	41	..
	Tcherdyn	60 24	56 31	?177	986·3	1008·9	— 6·9	269·9	277·2	1st	264·7	248·5	29th	267·3	*267·2*	—5·6	105	+ 54
249 250 251 252 253 254	Berezov	63 56	65 4	39·9	1001·9	1007·1	— 6·0	..	276·9	4th	261·2	248·1	26th	..	*264·5*	—4·9	17	— 7
	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Sourgout	61 15	73 24	? 40	1001·5	1006·6	— 7·7	..	276·3	1st	260·5	243·1	24th	..	*265·3*	—5·2	44	+ 11
	Doudinka	69 23	86 4	20	1005·0	1007·6	— 3·5	..	273·3	6th	259·4	240·3	30th	..	*262·2*	..	10	..
	Touroukhansk	65 47	87 57	45	1004·7	1010·5	— 3·1	..	275·0	6th	261·1	240·3	31st	..	*263·9*	—2·5	29	— 2
261 262 263	Villouisk	63 45	121 35	?120	1009·1	1024·9	..	..	279·9	9th	260·1	241·6	30th	..	*263·7*	—1·0	9	— 4
	Jakoutsk	62 1	129 43	108	1004·3	1018·4	0·0	..	280·3	1st	259·9	245·8	29th	..	*264·0*	—0·4	7	— 12
	Verkholansk	67 33	133 23	100	1000·3	1013·7	+ 1·9	..	275·3	1st	251·0	233·8	27th	..	*256·5*	—1·5	..	..
271 272		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1004·4	— 0·3	277·3	280·2	4th, 6th	273·6	268·0	27th	275·5	..	..	53	— 12
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1005·4	+ 0·1	280·3	289·1	6th	275·0	270·8	23rd	277·7	..	—0·6	204	
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	278·0	288·6	7th	270·0	260·2	13th	274·0	..	..	67	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	999·6	— 2·6	280·8	286·9	7th	274·2	266·3	13th	277·5	..	..	‡101	— 72
309	Sitka	57 3	135 19	27·4	..	1007·1	— 1·2	283·4	288·0	5th	275·0	268·6	18th	279·2	*278·7*	—1·4	290	— 8
310	Prince Rupert	54 18	130 18	51·8	1005·6	1012·0	+ 0·2	283·0	288·6	26th	276·3	271·9	17th	279·7	*279·5*	—1·6	231	— 112
311	Barkerville	53 2	121 35	1274	865·1	1012·6	— 4·1	277·4	289·1	1st	269·7	262·4	30th	273·6	*273·1*	—2·5	155	+ 81
312	Kamloops	50 42	120 29	385	972·1	1018·6	— 1·5	284·7	289·7	1st, 10th	275·8	266·9	31st	280·2	*280·3*	—1·6	27	+ 12
313	Calgary	51 2	114 2	1045	890·9	1011·8	— 3·8	286·3	301·9	5th	270·8	263·6	31st	278·6	*277·7*	+0·1	38	+ 22
314	Fort Chipewyan	58 42	111 10	218	980·9	1007·7	..	278·6	289·7	1st	270·8	261·3	18th	274·7	*275·0*	+0·8	10	— 9
315	Prince Albert	53 10	105 38	442	957·3	1010·2	— 3·4	286·3	299·7	5th	273·0	265·2	27th	279·7	*279·1*	+3·2	27	+ 6
316	Qu'Appelle	50 30	103 47	645	934·6	1010·8	— 3·6	286·3	302·4	7th	274·7	265·8	31st	280·5	*279·3*	+2·6	42	+ 35
317	Minnedosa	50 15	99 50	515	950·5	1011·8	— 3·3	286·9	301·9	7th	274·1	265·2	28th	280·5	*279·5*	+2·9	45	+ 19
318	Berens River	52 18	97 23	216	..	..	..	283·1	295·8	5th	274·2	271·9	28th, 29th	278·7	..	+1·2	97	+ 64
318*a*	Port Nelson	57 4	92 36	14·9	1008·9	1010·7	— 1·6	279·7	293·0	2nd	271·9	257·4	31st	275·8	..	+5·0	37	+ 8
319	Fort Hope	51 33	87 49	‡260	981·6	1013·2	..	284·7	299·1	8th	274·1	265·2	28th	279·4	*279·5*	+3·9	59	+ 20
320	Moose Factory	51 14	80 30	9·1	1012·3	1013·4	— 1·5	286·3	294·1	14th	274·1	260·8	29th	280·2	..	+2·6	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	281·3	290·8	13th	275·3	268·6	28th	278·3	*278·2*	..	22	+ 49
322	Mistassini Post	50 15	73 55	383	..	..	..	282·9	290·2	10th	274·3	263·0	1st	278·6	..	+3·9	87	
323																		+ 18
324	Natashquan	50 8	61 48	6·1	..	..	..	282·2	286·9	6th	273·8	268·0	21st	278·0	..	+1·2	118	
326	Belle Isle	51 53	55 23	133	..	..	..	277·4	283·0	1st, 11th	273·0	271·3	12, 21, 24	275·2	*275·4*	—0·7	59	— 04
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1006·5	1008·2	— 3·8	287·6	289·7	6th	283·3	278·6	25th	285·4	285·7	+1·9	203	+ 59
335	Aberdeen	57 10	W 2 6	26·8	1013·6	1016·9	+ 6·6	284·8	289·1	7th	281·6	276·9	25th	283·2	283·4	+1·9	72	— 4
336	Greenwich	51 28	0 0	46·3	1009·8	1015·5	+ 2·0	289·1	295·8	5th	279·2	270·8	31st	284·1	283·7	+0·8	28	— 30
337	Uccle	50 48	E 4 22	100	1004·5	1016·7	+ 2·2	289·6	297·9	8th	278·7	271·6	30th	284·1	283·0	—0·6	15	— 63
338	De Bilt	52 6	5 11	3·0	1017·8	1018·2	+ 4·7	288·3	297·4	9th	276·4	269·2	23rd	282·3	281·2	—1·2	11	— 57
338*a*	Hamburg	53 33	9 58	26·0	1019·2	1022·5	+ 8·4	284·3	290·7	1st	277·4	269·0	31st	280·9	*280·5*	—1·8	6	— 62
339	Copenhagen	55 41	12 36	5·0	1024·2	1024·8	+11·4	282·3	288·9	1st	278·3	272·2	19th	280·3	*280·1*	—1·4	1	— 50
340	Potsdam	52 23	13 4	84·9	1012·3	1022·8	+ 7·3	285·3	294·1	1st	274·7	265·2	30th	280·0	279·1	—2·4	5	— 40
340*a*	Uppsala	59 51	17 38	24	1021·6	1024·5	+12·3	282·0	290·0	10th	273·6	268·3	19th	277·8	277·7	—0·5	5	— 35
341	Warsaw	52 13	21 1	133	1009·1	1025·6	+ 8·6	283·2	294·3	1st	273·6	263·6	30th	278·4	278·2	—2·8	4	— 31
342	Dorpat (Jurjev)	58 23	26 43	74·5	1014·3	1023·6	+ 8·2	279·6	286·6	9th	273·6	263·3	29th	276·6	276·3	—1·6	14	— 29
343	Petrograd	59 56	30 16	4·8	1020·8	1021·4	+ 7·2	278·0	285·4	8th	272·5	260·1	29th	275·2	*275·2*	—2·7	16	— 32
344	Kiev	50 27	30 30	183	1001·4	1024·4	+ 4·8	280·8	292·3	1st	270·9	255·2	31st	275·8	*275·2*	—5·5	14	— 23
344*a*	Moscow	55 50	37 33	167	998·4	1019·5	+ 0·3	275·8	284·1	8th	269·6	252·7	31st	272·7	*272·5*	—5·2	21	— 8
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1003·4	1013·5	— 5·1	275·8	284·8	8th	268·9	249·6	31st	272·4	*272·1*	—4·9	25	— 1
347	Orenburg	51 45	55 6	109	999·8	1013·5	— 7·4	277·3	291·8	16th	270·8	257·6	31st	274·0	*273·5*	—3·4	20	+ 9
348	Perm	58 1	56 16	159	989·8	1009·9	— 7·2	..	279·4	8th	266·3	251·6	30th	..	*268·9*	—5·2	56	+ 30
349	Ekaterinburg	56 50	60 38	281	973·5	1008·8	— 9·6	270·9	278·8	8th	265·8	252·1	31st	268·4	*268·4*	—5·6	53	+ 4
350	Tobolsk	58 12	68 14	‡108	994·3	1008·1	— 9·3	..	276·3	4th	264·6	249·4	30th	..	*267·5*	—5·7	38	..
351	Akmolinsk	51 12	71 23	‡347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	+ 69
353	Barnaoul	53 20	83 48	162	997·2	1017·4	— 5·7	..	292·8	5th	272·3	259·6	31st	..	*275·7*	+0·8	101	+ 52
354	Tomsk	56 30	84 58	122	997·8	1013·2	— 6·6	..	287·4	5th	269·2	252·1	30th	..	*272·3*	—0·8	107	
355	Minousinsk	53 43	91 41	249	988·0	1018·7	— 4·8	..	292·8	13th	271·7	257·5	31st	..	*276·9*	..	25	+ 3
356	Eniseisk	58 27	92 10	77·6	1004·8	1014·7	— 5·2	..	282·0	12th	267·8	245·2	31st	..	*271·1*	—0·8	60	+ 21
357	Irkutsk	52 16	104 19	467	962·3	1019·3	— 4·2	..	288·1	10th	270·1	262·2	28th	..	*275·8*	+2·3	3	— 15
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	674	936·2	1017·6	— 3·0	..	289·8	1st	267·2	258·8	28th	..	*277·2*	+5·6	0	— 13
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	971·4	1019·0	..	276·9	289·8	1st	262·4	247·3	31st	269·6	*269·4*	..	18	..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	1000·4	1018·1	+ 1·8	282·6	296·5	10th	270·1	259·4	31st	276·4	*275·8*	+1·5	8	— 11
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1003·4	1005·1	— 2·8	..	..	..	271·8	265·1	31st	..	*277·0*	..	306	..
369																		
371	Attu Island	52 56	173 13	4·9	..	1006·8	— 1·0	281·7	287·4	8th	275·6	269·7	31st	278·7	..	..	257	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1006·1	1014·7	— 2·9	284·7	288·0	9th	279·7	275·8	31st	282·2	282·1	—0·7	102	+ 37
412	Portland, Oregon	45 32	122 41	46·6	1011·3	1016·6	— 1·3	288·0	295·8	4th	281·4	276·3	31st	284·7	*284·1*	—0·7	94	+ 11
413	Macleod	49 44	113 24	953	..	..	..	285·8	300·8	1st	274·7	268·6	31st	280·2	*279·9*	—0·4	29	+ 13
414	Helena	46 34	112 4	1253	872·6	1015·9	— 1·7	284·6	300·2	4th	273·0	264·7	31st	279·2	*279·0*	—1·2	51	+ 28
414*a*	Salt Lake City	40 46	111 54	1329	866·6	1014·9	— 1·9	287·5	301·9	4th	277·8	271·3	24th	282·7	*282·6*	—1·7	91	+ 53
415	Cheyenne	41 8	104 48	1856	812·1	1014·5	— 1·8	287·2	296·9	5th	274·3	264·7	31st	280·8	*281·3*	+0·9	24	+ 3
416	North Platte	41 8	100 45	859	916·4	1015·6	— 1·1	294·1	303·6	6th	277·8	264·7	28th	285·9	*285·4*	+2·4	33	+ 5
416*a*	Bismarck	46 47	100 38	511	953·8	1014·5	— 2·2	290·9	305·8	6th	275·8	264·7	31st	283·3	*283·0*	+3·3	7	— 18
417	Winnipeg	49 53	97 7	232	984·4	1012·5	— 2·8	288·6	301·3	7th	276·3	264·1	28th	282·4	*281·6*	+4·5	5	— 31
418	Duluth	46 47	92 6	345	974·2	1015·9	0·0	288·4	298·6	7th	279·6	265·8	28th	284·0	*283·2*	+4·1	104	+ 50
419	Port Arthur	48 27	89 12	196	991·2	1014·9	— 0·7	287·4	296·9	7th	278·6	268·0	29th	283·0	*282·5*	+4·9	36	— 27
420	Chicago	41 53	87 37	251	988·8	1018·9	+ 1·2	293·6	300·8	10th	285·7	272·4	29th	289·6	*289·3*	+4·7	40	— 23
421	Toronto	43 40	79 24	116	1004·4	1018·5	+ 0·5	290·8	300·2	21st	280·2	273·6	29th, 30th	285·5	*284·7*	+4·2	97	+ 35
422	New York (Central Park)	40 47	73 58	47·4	1013·2	1018·9	— 1·4	294·4	301·9	14th	283·9	275·8	30th	289·1	*288·4*	+·2	32	— 66
423	St. John, N.B.	45 17	66 4	36·2	1010·7	1015·1	— 1·4	287·4	292·4	1st	280·2	274·7	31st	283·8	*283·6*	+3·4	82	— 33
424	S.W. Point, Anticosti	49 24	63 35	9·1	1011·0	1012·1	— 1·2	281·9	285·2	29th	276·9	273·0	21st	279·4	*279·5*	+2·1	164	+ 81
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1014·1	1015·0	— 2·7	287·4	294·1	2nd	283·6	279·7	21, 24, 31	285·5	*285·3*	+1·2	71	— 53
425	Port aux Basques	47 35	59 10	9·1	1010·7	1011·8	— 2·9	283·6	289·7	2nd	278·6	273·0	21st	281·1	*281·1*	+1·3	53	— 89
426	St. John's, Newfoundland	47 34	52 42	38·1	1003·0	1007·7	— 5·6	283·6	295·2	1st	276·9	270·8	27th	280·2	*280·2*	—0·2	105	+ 21
435	Madrid	40 24	3 41	667	937·9	1015·2	— 1·9	289·1	292·9	4th	281·4	277·0	31st	285·3	*285·0*	—0 9	85	+ 43
436	Nantes	47 15	W 1 34	36·5	1007·7	1012·1	— 3·0	289·8	296·0	5th	281·8	275·0	27th	285·8	285·5	+0·9	89	+ 27
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1008·7	1014·8	— 0·6	289·9	299·0	5th	279·0	272·2	30th	284·5	283·7	+0·6	69	+ 14
438	Marseille	43 18	5 23	75	..	1012·9	— 1·9	292·2	296·3	6th	284·7	278·1	22nd	288·4	*287·8*	+0·3	229	+ 172
438*a*	Zürich	47 23	8 33	493	958·6	1017·2	— 0·2	285·8	294·3	4th	278·5	267·5	31st	282·2	281·5	+0·1	2	— 92
439	Rome	41 54	12 27	**	1008·8	1014·2	— 1·9	293·3	297·5	8th, 9th	285·4	280·2	28th	289·3	*289·2*	—0·5	115	— 3
440	Vienna	48 15	16 22	203	996·9	1021·8	+ 4·7	283·7	293·0	3rd	276·6	264·3	31st	280·1	280·0	—2·6	1	— 48
440*a*	Budapest	47 31	19 2	130	1006·0	1022·0	+ 4·2	287·3	297·0	3rd	276·9	263·5	31st	282·1	*281·1*	—2·2	26	— 33
441	Sofia	42 42	23 20	550	955·6	1021·3	+ 3·1	285·1	297·4	3rd	276·2	266·6	31st	280·7	*280·3*	—3·6	55	— 6
442	Bucharest	44 25	26 5	82	1012·7	1022·9	+ 4·1	285·8	299·5	3rd	275·2	262·3	31st	280·5	280·0	—4·6	27	— 14
443	Odessa (University)	46 26	30 46	42·8	1017·5	1022·8	+ 3·2	283·1	295·2	2nd	275·0	259·7	31st	279·0	*278·7*	—6·2	2	— 29
444	Kharkov (University)	50 0	36 14	140	1004·2	1021·8	+ 0·8	279·8	291·5	1st	269·4	255·9	31st	274·6	*274·2*	—5·9	35	— 6
444*a*	Novorossiisk	44 44	37 49	37·1	1014·3	1018·9	+ 1·0	286·7	296·0	1st	278·3	260·6	31st	282·5	*282·2*	—5·1	63	+ 23
446	Tiflis	41 43	44 48	404	970·8	1018·8	— 2·4	288·8	296·4	3rd	279·9	273·7	14th	284·4	*284·0*	—3·1	70	+ 33
447	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Aralskoe More	46 47	61 42	56	..	..	..	..	291·1	18th	274·8	264·8	31st	..	*279·4*	—1·0	23	..
450	Tachkent	41 20	69 18	478	962·8	1018·9	— 3·5	293·6	301·3	4th	280·8	270·5	14th	287·2	*286·5*	+1·3	53	+ 25
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	841	..	..	..	287·9	296·6	5th	277·1	265·6	15th	282·5	*282·0*	..	94	..
461	Moukden	41 48	123 23	43·8	1013·7	1019·0	— 0·9	292·3	297·4	9th	276·9	270·8	22nd	284·6	284·0	+1·9	6	— 31
462	Joshin	40 40	129 11	31·9	1014·6	1018·5	+ 0·1	291·4	295·4	1st	282·0	277·8	5th	286·7	286·9	+2·5	1	— 34
463	Yuki	42 20	130 24	65·6	1010·1	1018·1	+ 0·4	289·3	293·7	1st	279·5	274·0	17th	284·4	284·4	+1·2	10	— 35
464	Vladivostok	43 7	131 55	128	1002·7	1018·4	+ 0·2	286·4	292·6	2nd	278·1	269·8	24th	282·2	282·0	—0·3	25	— 21
465	Ochiai	47 20	142 46	6·6	1013·2	1014·0	— 0·9	284·3	291·9	3rd	272·8	265·3	26th	278·5	278·7	—0·5	166	+ 69
466	Nemuro	43 20	145 35	26·7	1011·8	1015·1	— 0·6	286·8	291·1	3rd	280·0	274·0	17, 25, 26	283·4	283·5	0·0	133	+ 38
466*a*	Syana	45 14	147 53	39·3	1009·2	1014·0	— 1·5	285·4	290·0	4th, 13th	277·6	270·1	21st	281·5	281·8	+0·1	170	+ 67
		N.	E.															

Between Latitude 40° N. and 30° N.

OCTOBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1010·7	1016·6	+ 0·1	292·6	298·6	23rd	284·8	282·4	26th	288·7	*288·0*	+0·3	46	+ 19
512	San Luis Obispo	35 18	120 39	61·3	1008·6	1016·2	+ 0·2	295·3	303·0	3rd	281·1	274·7	31st	288·2	*287·0*	—1·4	31	+ 6
513	San Diego	32 43	117 10	26·5	1011·5	1014·5	+ 0·3	293·1	298·0	25th	285·7	280·2	21st	289·4	*289·3*	—0·9	5	— 6
514	Modena	37 48	113 54	1670	832·2	1013·9	— 2·8	288·3	300·2	3rd	271·3	263·6	21st	279·8	*279·8*	—2·3	61	+ 39
515	Santa Fé	35 41	105 57	2138	787·1	1013·5	— 1·1	288·6	296·3	3rd	276·1	267·4	22nd	282·3	*282·2*	—0·9	36	+ 9
516	Denver	39 45	105 0	1613	836·5	1014·2	— 1·9	290·9	301·3	5th	277·7	266·3	31st	284·3	*284·5*	+0·9	22	— 4
517	Abilene	32 23	99 40	530	954·8	1015·6	— 1·1	298·3	304·1	11th	286·6	278·0	28th	292·4	*291·3*	+0·5	70	+ 7
518	Saint Louis	38 38	90 12	173	998·5	1018·9	+ 0·8	295·7	302·4	10th	285·8	274·7	29th	290·8	*290·3*	+2·6	60	— 3
519	Mobile	30 41	88 2	17·4	1017·6	1019·6	+ 2·3	298·7	303·6	12th	288·2	280·2	29th	293·4	*293·2*	+0·7	118	+ 33
520	Nashville	36 10	86 47	166	1001·9	1022·0	+ 3·1	296·8	301·9	13th	283·3	273·0	29th	290·0	*289·7*	+1·0	70	+ 13
521	Charleston	32 47	79 56	14·6	1019·0	1020·6	+ 2·6	297·5	301·9	15th	287·9	280·2	30th	292·7	*292·5*	+0·1	2	— 95
522	Washington	38 54	77 3	34·1	1016·1	1020·3	+ 1·4	295·6	302·4	15th	282·8	276·3	31st	289·2	*288·2*	+1·6	10	— 67
524	Bermuda	32 17	64 46	46·0	1011·2	1016·5	+ 0·2	300·2	303·6	9th	293·0	290·2	24th	296·6	*296·2*	—0·2	79	— 71
530	Santa Cruz (Flores)	39 27	31 9	28	1014·2	1017·3	— 2·9	294·4	298·2	8th	288·5	284·3	23rd	291·5	*291·6*	—0·3	113	— 31
531	Horta	38 32	28 38	65	1010·1	1017·3	— 2·2	293·7	296·4	8th	288·9	286·3	26th	291·3	291·1	—1·0	134	+ 21
532	Ponta Delgada	37 44	25 40	22	1015·5	1017·3	— 1·0	293·4	295·4	3rd	289·8	287·2	24th	291·6	291·6	—0·1	..	..
532*a*	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	118	— 14
533	Madeira (Funchal)	32 37	16 54	25	‡1015·8	‡1018·7	+ 0·6	296·3	298·0	15th	291·1	289·0	30th	293·7	*293·6*	+0·4	131	+ 30
534																		
535																		
536	Lisbon	38 43	9 9	95	1007·0	1018·3	+ 1·3	292·0	293·5	21st	287·3	283·3	4th	289·7	*289·6*	—0·3	83	+ 1
536*a*	Gibraltar	36 6	5 21	16·2	1014·0	1015·9	— 1·4	294·8	298·7	4th	287·4	283·6	31st	291·1	*290·9*	—0·8	69	— 15
537	Melilla	35 18	2 59	8	1015·4	1016·3	— 3·6	297·7	300·2	1st	287·9	283·2	28th	292·8	*293·9*	—3·1	24	— 29
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
** Height changed from 50·6m. to 45·5m. in October.

OCTOBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1010·1	1012·8	— 3·3	295·3	298·8	6th	287·0	282·8	24th	291·2	..	—0·8	180	+103
538	Algiers (Bouzaréah)	36 48	3 2	343	973·9	1013·6	— 2·8	293·8	299·8	1st	287·8	284·4	26th	290·8	290·5	—0·1	96	+ 9
539	Tunis	36 48	10 10	21	1012·7	1015·2	..	298·6	305·0	7th	290·0	285·2	29th	294·3	*293·6*	+1·3	37	— 10
539a	Malta	35 54	14 31	56·4	..	1013·4	— 3·4	297·6	303·5	4th	292·4	287·0	27th	295·0	*294·1*	+0·4	105	+129
540	Riposto	37 41	15 14	14·2	..	1015·2	— 2·5	295·1	297·6	3rd, 10th	290·2	286·0	29th	292·7	*292·2*	—0·6	215	0
541	Athens	37 58	23 43	107	1004·0	1016·7	0·0	293·3	300·3	4th	286·3	291·1	3rd, 4th	289·8	289·3	—2·6	42	— 6
542	Alexandria	31 12	29 53	32·0	1011·4	1015·1	— 0·9	301·6	306·5	6th	292·7	289·8	28th	297·1	*296·1*	—0·3	0	
543	Cairo (Helwan)	29 52	31 20	116	1000·8	1014·2	— 0·4	302·2	307·2	24th	290·8	287·4	10th	296·5	296·4	—0·1	0	0
544	Nicosia (P.W.D.)	35 9	33 22	159	994·6	1012·8	— 2·2	299·7	304·1	5th	286·8	282·4	31st	293·2	..	—1·4	23	+ 1
544a	Beirut	33 54	35 28	33·7	..	1013·6	— 1·7	299·1	302·4	29th	293·6	291·4	12th	296·3	*296·2*	—0·4	33	+ 20
545	Baghdad	33 21	44 28	38·1	..	1012·2	— 1·8	305·9	310·7	7th, 9th	292·0	287·0	14th	298·9	*297·5*	+0·6	9	+ 7
546	Lenkoran	38 46	48 52	— 20	1021·0	1018·6	— 1·9	..	..	..	283·8	278·1	22nd	..	*287·1*	—2·3	253	+ 54
547	Tehran	35 41	51 25	1220	..	..	..	296·4	301·6	4th	285·4	280·2	14th	290·9	*290·9*	0·0	20	+ 11
548	Meshed	36 16	59 35	946	..	..	..	297·4	303·9	11th	278·8	271·2	15th	288·1	..	+1·6	5	— 5
549	Seistan	31 0	61 30	?	..	..	..	303·3	309·8	13th	284·7	272·7	17th	294·0	..	..	0	..
550	Quetta	30 11	67 3	1677	836·4	..	+ 0·2	298·7	302·8	14th	277·6	271·1	16th	288·2	*288·2*	+1·2	0	— 3
551	Peshawar	34 2	71 37	339	973·4	1012·5	— 1·1	306·8	309·9	5th	288·1	285·6	30th, 31st	297·4	*296·6*	+1·6	1	— 4
551a	Lahore	31 34	74 20	214	986·0	1010·7	— 0·8	308·8	311·7	2nd	290·5	287·1	23rd	299·7	*298·8*	+1·5	0	0
552	Simla	31 7	77 8	2205	784·3	..	+ 1·0	290·8	293·8	1st	284·7	281·9	27th	287·7	*287·7*	+0·8	6	— 18
552a	Leh	34 10	77 42	3503	670·5	..	+ 1·5	287·6	290·8	13th	272·3	269·7	19th	279·9	*279·0*	+0·1	1	— 3
559	Hankow	30 35	114 17	37·0	1015·1	1019·5	— 0·8	296·8	300·9	28th	288·6	285·6	17th	292·8	*292·5*	+0·9	74	— 12
560	Tientsin	39 10	117 10	5·0	1019·5	1020·1	— 0·5	296·2	301·1	6th	284·0	281·0	30th	290·1	*289·9*	+2·5	2	— 18
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1018·4	— 0·7	298·3	303·8	3rd	287·0	281·7	25th	292·6	291·5	+1·0	19	— 65
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1011·2	1019·3	+ 0·5	294·5	298·5	1st	284·7	280·9	30th	289·6	289·1	+1·8	10	— 30
562a	Nagasaki	32 44	129 52	133	1000·8	1010·4	— 0·4	295·6	300·9	3rd	287·9	284·2	25th	291·7	291·3	+0·4	33	— 90
563	Kyoto	35 1	135 44	42·0	1011·5	1010·6	+ 0·2	295·9	299·1	3rd, 14th	283·5	277·6	25th	289·7	288·9	+0·4	60	— 71
564	Tokyo	35 41	139 45	21·3	1013·5	1016·0	— 0·8	294·0	299·8	1st	285·7	280·5	25th	289·8	289·4	+0·5	241	+ 50
565	Kanayama	37 53	140 46	24·6	1013·4	1016·3	— 0·8	292·6	297·9	14th	281·7	273·8	25th	287·1	286·8	+0·4	265	+ 97
566	Miyako	39 38	141 59	30·4	1012·1	1015·8	— 0·9	292·2	299·0	14th	281·4	275·0	25th	286·8	286·1	+0·7	195	+ 34

OCTOBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1015·6	— 0·8	300·8	303·0	8th	293·3	291·3	23rd	297·1	*296·6*	..	315	..
605	Honolulu	21 19	157 52	11·6	1014·5	1015·8	— 0·2	301·3	302·4	..	295·8	293·6	..	298·6	*298·4*	+0·7	22	— 27
614	La Paz	24 10	110 20	12	1009·8	1011·1	..	305·0	309·2	7th	293·2	288·2	27th	299·1	..	..	10	..
615	Chihuahua	28 38	106 4	1423	860·1	1014·3	..	296·1	302·0	12th	282·5	273·2	26th	289·3	*289·2*	..	7	— 19
616	Leon	21 7	101 41	1809	821·6	1009·8	+ 0·1	298·1	300·8	26th	283·4	278·8	4th	290·7	..	—0·3	19	— 37
616a	Monterry	25 40	100 18	528	955·1	1014·4	..	301·1	308·0	14th	288·7	283·0	2nd	294·9	*295·0*	..	24	— 27
617	Tulancingo	20 5	98 22	2180	793·5	..	..	..	297·0	..	..	272·0	..	..	286·7	—1·0	20	+ 87
618	Galveston	29 18	94 50	16·5	1016·1	1018·3	+ 1·4	297·9	301·9	6th	292·8	284·1	28th	295·4	*295·6*	+0·2	201	+ 16
618a	New Orleans	29 57	90 4	16·2	..	1018·6	+ 1·7	298·9	302·4	13th	290·9	285·2	29th	294·9	*294·1*	+0·3	91	
619	Merida, Yuc.	20 58	89 38	22	1011·9	1014·3	..	302·8	304·8	21st	295·0	293·6	30th	298·9	*298·4*	..	53	+ 49
620	Havana	23 8	82 21	24·3	..	1015·1	+ 1·9	300·8	303·5	25th	295·7	294·6	22nd	298·3	298·0	—0·7	212	+ 55
620a	Key West	24 33	81 48	6·7	1014·6	1015·2	+ 1·4	300·6	303·6	5th	296·0	292·4	1st	298·3	*297·8*	—1·1	57	— 32
621	Nassau, Bahamas	25 5	77 21	7·3	..	‡1015·7	+ 1·6	302·4	..	..	296·9	..	..	299·7	*299·7*	+0·2	129	..
622	Watling Island	24 6	74 26	33·5	1010·8	1014·6	+ 1·4	..	303·0	6, 12, 29	..	296·3	16, 18, 31	..	*299·3*	..	..	..
633	Izaña	28 19	16 30	2367	769·3	..	..	286·4	290·7	19th	279·4	272·3	30th	282·9	*282·2*	..	40	+ 8
634	La Laguna	28 28	W16 20	547	954·6	1017·3	+ 1·7	296·3	301·0	2nd	286·6	283·8	23rd	291·4	*290·7*	—0·4	68	..
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	— 23	..	..	..	..	..	..	287·8	284·9	12th, 13th	..	‡*292·8*	..	0	..
642																		
643	Aswan	24 2	32 53	99·6	999·9	1011·1	— 0·2	309·7	314·1	24th	294·6	289·0	11th	302·2	*301·5*	+0·9	..	..
644	Tor	28 14	33 37	1·9	1011·6	1011·9	— 0·6	302·2	308·1	7th	289·9	287·9	28th	296·0	*296·4*	—0·4	0	+ 2
647	Bushire	28 59	50 53	4·3	1011·3	1012·1	— 1·1	305·2	307·7	8th	296·1	292·7	25th	300·7	*300·0*	+1·3	0	+ 1
648	Jask	25 44	57 47	4·0	1011·3	1011·8	— 0·7	306·7	309·3	8th	295·8	292·6	28th	301·2	*300·5*	—0·2	3	0
649	Karachi	24 53	66 57	4·0	1011·3	1011·8	0·0	303·6	311·0	3rd	295·8	293·3	16th	299·7	*299·0*	+0·2	0	— 1
650	Jacobabad	28 17	68 29	56·7	1004·1	1010·5	— 0·5	310·1	314·1	13th	291·8	287·2	21st	300·9	*300·1*	+0·6	0	— 6
651	Jaipur	26 56	75 52	436	963·4	1011·9	— 0·2	309·8	313·0	9th	291·2	287·6	29th	300·5	*299·7*	+1·2	0	— 58
652	Nagpur	21 8	79 5	310	977·4	1012·0	+ 0·5	308·2	310·2	12th	293·0	288·7	31st	300·6	*300·1*	+1·4	0	— 9
653	Allahabad	25 25	81 51	94·1	1001·2	1011·9	+ 0·6	309·0	311·7	1st, 3rd	292·8	288·3	31st	300·9	*300·1*	+1·8	2	— 58
653a	Darjeeling	27 3	88 18	2266	778·6	..	+ 0·2	290·1	293·1	5th	283·2	280·0	28th	286·6	*286·6*	+0·5	55	+ 47
654	Calcutta	22 36	88 23	6·4	1010·3	1011·0	0·0	304·1	307·0	2nd	297·3	294·8	31st	300·7	*300·3*	+0·7	140	— 15
655	Gauhati	26 8	91 41	59·7	1006·3	1013·2	+ 0·8	303·9	306·4	10th	295·2	290·9	30th	299·6	*298·9*	+0·5	49	— 227
655m	Cherrapunji	25 15	91 42	1314	870·0	..	+ 0·2	295·3	298·8	8th	288·9	285·9	29th	292·1	*291·5*	+0·1	267	+ 141
655a	Akyab	20 11	92 56	6·1	1010·2	1010·8	— 0·2	303·1	305·6	4th	296·8	295·2	30th	300·0	*299·6*	—0·8	411	— 62
656	Mandalay	21 59	96 0	76·2	1003·6	1012·3	+ 0·8	307·1	309·1	2nd	296·7	289·7	31st	301·9	*301·5*	+0·4	58	..
656a	Tengyueh	24 59	98 35	1633	?835·5	?1009·5	..	295·6	298·6	5th	284·3	277·4	31st	290·0	*289·1*	..	73	— 4
657	Phu Lien	20 48	106 38	116	1000·4	1013·8	+ 0·4	301·9	306·0	3rd	294·5	291·2	24th	298·2	297·5	—0·3	128	+ 24
658	Moncay	21 31	107 51	9·0	1013·1	1014·1	+ 0·5	302·0	304·9	5th	292·3	287·4	24th	297·1	*298·3*	—1·1	123	+ 34
659	Hongkong	22 18	114 10	33·2	..	1013·5	— 0·1	300·0	303·4	4th	295·5	292·8	18th	297·7	297·5	—0·2	157	+ 49
660	Amoy	24 27	118 4	ca.3	1014·5	1014·8	— 1·0	300·5	303·6	3rd, 6th	294·8	290·8	26th	297·7	*297·5*	—0·3	4	— 10
661	Taihoku, Formosa	25 2	121 31	9·3	1013·5	1014·6	— 0·1	301·0	307·4	6th	292·2	286·4	28th, 30th	296·6	296·0	—0·1	123	— 145
661a	Basco	20 28	121 59	18·7	1007·5	1009·9	+ 0·1	302·9	305·4	9th	295·8	292·1	27th	299·3	*299·2*	—0·4	210	+ 139
662	Naha	26 13	127 41	10·5	1011·5	1012·8	— 0·9	300·3	304·9	4th	293·2	289·2	27th	296·7	296·5	—0·5	310	+ 151
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1011·9	1012·3	— 1·5	300·9	302·8	8th	295·4	291·2	31st	298·1	298·0	—0·5	275	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

OCTOBER 1920.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

OCTOBER—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	955·9	1010·6	..	304·1	306·3	11th	296·0	294·6	31st	300·0	*299·1*	..	55	..
716	Morelia	19 42	101 7	1923	809·6	1008·4	..	294·6	297·4	25th	286·8	283·0	4th	290·7	*290·2*	..	34	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·6	1012·2	+ 0·3	295·5	298·2	25th	280·6	276·5	4th	288·0	287·7	+0·1	24	— 29
718	Salina Cruz	16 12	95 12	56	1005·4	1011·9	..	303·7	306·1	16th	297·2	293·8	13th	300·4	*300·0*	..	12	..
719	San Salvador	13 42	89 13	682	935·4	1011·0	+ 0·7	304·3	306·0	26th	291·0	287·4	29th	297·7	*295·8*	0·0	155	— 118
720	Belize	17 29	88 12	5·2	1012·3	1012·8	+ 2·0	300·9	303·0	18th, 19th	295·4	289·1	12th	298·1	*297·7*	—1·8	188	— 157
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1011·7	+ 1·3	304·3	306·6	sev. dates	295·2	293·6	5th	299·8	*299·1*	+0·2	93	— 120
722	Port au Prince	18 34	72 22	37·4	1008·3	1012·6	+ 0·6	306·1	309·8	6th, 10th	295·3	293·7	20th	300·7	*299·8*	+0·6	188	+ 6
723	Caracas	10 30	66 55	1042	899·0	1014·7	+ 1·0	299·5	302·1	18th	288·3	286·8	3rd, 9th	293·9	*292·7*	—0·7	44	— 53
724	Montserrat	16 41	62 9	39·6	1008·1	1012·6	— 0·8	304·2	306·3	18th	295·8	294·1	16th, 21st	300·0	*299·5*	..	124	..
724a	Grenada (Richmond Hill)	12 5	61 46	155	..	..	..	..	..	..	..	..	..	..	..	..	..	..
725	Barbados	13 8	59 36	55·2	..	1012·4	0·0	303·3	304·8	12th, 31st	296·1	294·6	21st	299·7	*299·5*	+0·5	116	— 78
731	São Vicente, C. Verde Is.	16 54	25 4	11	1012·8	1014·0	+ 0·6	300·9	302·5	5th	..	..	..	..	*299·2*	+0·4	9	— 22
732	San Tiago, C. Verde Is.	14 54	23 31	740	1009·5	1014·0	+ 0·3	302·9	305·2	15th, 23rd	298·1	296·6	25th	300·5	*300·6*	+0·8	0	— 33
733	Bathurst	13 27	16 36	1·8	1013·2	1013·4	+ 1·3	305·2	306·9	5th, 29th	296·4	294·7	9th, 24th	300·8	*301·2*	+0·6	47	— 46
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	306·1	308·0	28th	..	..	..	..	..	..	72	+ 32
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	308·8	310·8	31st	294·7	289·7	15th, 16th	301·8	*301·1*	+0·2	0	— 11
738	Kaduna Capital	10 32	7 25	637	943·7	1015·3	+ 1·1	303·9	305·8	7th	292·0	290·2	12, 13, 19	297·9	*297·2*	+0·3	74	+ 19
739	Hadeija	12 40	10 5	?	..	..	..	312·7	315·2	31st	291·3	288·0	14th	302·0	*301·3*	+0·8	0	..
740	Maiduguri	11 47	13 11	361	..	..	..	309·6	312·4	30th, 31st	293·9	289·7	21st	301·7	*301·0*	—0·3	3	— 11
741	El Fasher	13 32	25 18	730	..	..	..	309·4	311·0	5th, 9th	289·2	286·4	18th	299·3	*299·2*	..	1	..
743	El Obeid	13 11	30 14	569	..	..	..	309·7	311·2	25th, 28th	291·9	289·9	27th	300·8	*298·8*	—1·6	6	— 12
744	Khartoum	15 37	32 33	390	964·6	1007·6	— 0·5	311·6	315·0	4th	297·9	294·6	25th	304·7	*304·6*	0·0	0	— 5
745	Port Sudan	19 37	37 13	5·5	1009·9	1010·6	— 0·3	305·8	309·0	5th	299·3	297·7	3rd	302·6	*302·6*	+0·9	0	— 8
746	Berbera, Somaliland	10 22	45 2	9·5	1010·6	1011·6	— 0·8	307·6	310·8	1st, 6th	297·9	294·7	25th	302·7	*303·1*	+1·6	0	— 1
747	Aden	12 45	45 3	28·7	1008·7	1011·9	— 0·6	304·1	307·8	2nd	298·8	295·7	24th	301·4	*300·5*	—0·3	0	— 3
751	Bombay	18 54	72 49	11·3	1010·5	1011·7	0·0	305·2	307·4	27th	298·8	296·3	31st	302·0	*301·3*	+1·3	9	— 36
751a	Cochin	10 58	76 21	2·7	1011·1	1011·4	— 0·1	302·7	305·1	26th	297·0	296·1	7th	299·9	*299·2*	—0·2	503	+ 166
752	Kodaikanal	10 14	77 28	2343	771·2	..	+ 0·1	290·9	293·6	24th	283·7	281·9	23rd	287·3	*287·3*	+0·5	133	— 138
753	Bangalore	12 59	77 38	920	910·7	1011·0	0·0	301·4	303·8	14th	291·8	289·2	20th	296·6	*295·7*	+0·6	66	— 91
754	Madras	13 4	80 14	6·7	1009·7	1010·5	— 0·1	305·3	312·4	1st	297·7	298·4	1st	301·5	*300·6*	+0·5	535	+ 241
754	Vizagapatam	17 42	83 19	11·6	1009·3	1010·6	+ 0·1	303·9	305·9	13th	298·6	296·9	8th	301·2	*300·5*	+0·4	335	+ 175
755	Port Blair	11 40	92 40	17·7	1008·4	1010·4	— 0·4	302·3	303·8	20th	297·4	295·7	14th	299·9	*299·2*	—0·7	397	+ 116
756	Rangoon	16 46	95 48	5·5	1011·5	1012·3	+ 0·9	304·0	306·8	3rd	297·3	295·5	31st	300·6	*299·7*	+0·1	148	— 30
757	Saigon	10 47	106 42	11·2	..	..	..	303·8	306·2	9th	296·4	293·7	21st	300·1	*299·6*	—0·2	121	— 145
758	Cap St. Jacques	10 20	107 5	180	989·5	1010·1	+ 1·0	..	..	..	..	..	..	..	..	..	..	..
759	Nhatrang	12 15	109 12	3·6	1009·9	1010·3	+ 0·4	302·8	305·3	4th	295·8	293·9	31st	299·3	*298·8*	—0·5	424	..
761	Bolinao	16 24	119 53	7·1	1006·1	1007·0	— 0·4	304·9	305·8	13th, 24th	296·7	293·9	30th	300·8	*299·8*	—0·4	..	..
761a	Vigan	17 34	120 23	12·2	..	1008·6	0·0	304·5	306·0	24th	296·3	293·5	28th	300·4	300·3	0·0	175	— 7
762	Manila	14 35	120 59	14·2	..	1009·2	+ 0·4	304·4	305·9	22nd	295·9	293·0	29th	300·1	299·2	—0·4	79	— 91
763	Ormoc	11 0	124 36	5·6	1007·1	1007·8	— 0·2	305·2	307·2	20th	295·4	291·1	30th	300·3	*299·3*	+0·3	261	+ 26
765	Guam, Ladrone Is.	13 24	144 38	20·4	1004·6	1007·2	— 0·8	303·0	305·4	9th	297·5	296·0	16th, 17th	300·3	*300·1*	+0·1	438	+ 98
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

OCTOBER—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
821	Fanning Island	3 55	159 23	3·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
822	Colon	9 23	79 23	11·0	..	1010·5	+ 0·1	303·6	305·2	7th	296·8	295·8	13th	300·2	*299·7*	+0·9	436	+ 58
823	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	231	+ 68
824	Merida, Venez.	8 36	71 9	1041	‡841·0	..	..	297·7	301·5	17th	288·7	287·5	10th, 11th	293·2	*292·1*	..	157	..
825	El Peru, Guayanavieja	7 19	61 49	220	984·8	1009·6	+ 0·1	304·2	305·7	18th	294·5	293·0	12th	299·3	*298·7*	+0·6	21	— 68
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·2	+ 1·5	303·9	304·9	22nd	297·5	295·8	13th	300·7	*300·4*	+0·4	31	— 29
826a	Paramaribo	5 49	55 9	3·7	‡1013·2	‡1013·6	+ 1·4	304·7	305·7	3, 7, 16	296·0	295·0	4th, 26th	300·3	*299·0*	—0·4	161	+ 88
826b	Cayenne	4 56	52 21	6	..	..	..	307·2	308·6	19th	293·3	292·0	12th, 29th	300·3	*300·0*	—0·9	7	— 27
833	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 29	13 9	68·3	1004·7	1012·6	+ 1·0	303·5	305·2	5, 20, 28	..	..	..	..	‡*299·7*	—0·5	195	—126
835	Cape Coast	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	87	+ 38
836	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	..	..	..	..	‡*299·8*	—0·1	35	— 14
838	Lagos	6 27	E 3 24	4·6	1011·9	1012·4	— 0·9	302·2	303·8	..	296·6	294·1	..	299·4	*299·0*	0·0	129	— 68
838a	Zungeru	9 48	6 10	130	..	..	..	305·4	308·0	29th	293·9	292·4	5th, 19th	299·7	*299·0*	—0·2	86	+ 6
839	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
841	Yola	9 12	12 30	259	..	..	..	306·4	310·2	30th	..	..	..	..	‡*299·7*	—0·3	64	— 14
	Wau	7 42	28 3	440	..	..	..	?310·3	?312·0	9th	..	..	..	..	‡*297·3*	..	232	+105
843	Malakal (Kodok)	9 35	31 37	394	965·0	1009·1	+ 0·1	306·5	310·6	28th	..	..	..	..	‡*298·0*	..	62	— 20
843a	Mongalla	5 11	31 47	439	959·6	1008·3	0·0	?305·7	?311·0	28th	293·5	291·0	27th	?299·6	?*298·2*	—0·4	96	— 13
851	Entebbe	0 5	32 29	1171	883·4	1009·5	— 0·2	299·6	302·4	1st	289·9	288·6	1st, 17th	294·8	*294·0*	0·0	39	— 49
852	Minicoy	8 17	72 49	2·1	1012·7	1012·9	+ 1·4	..	..	..	..	..	..	..	..	..	259	+ 39
853	Colombo Observatory	6 54	79 53	7·3	..	1010·3	+ 0·2	302·9	303·7	25th	296·9	295·1	20th	299·9	*299·2*	+0·1	388	+ 56
854	Nuwara Elija

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	305·5	308·2	27th	296·6	295·0	25th	301·0	*300·0*	—1·3	96	— 5
926	Taperinha	2 30	54 20	20·0	1008·5	1010·8	+ 0·2	304·0	305·6	5th	295·4	294·4	2nd	299·7	*298·6*	—0·7	70	..
927	Turyassu	1 43	45 26	15·1	1009·0	1010·8	— 0·4	305·8	307·6	21st	296·1	293·2	26th	301·0	*300·2*	+0·4	3	— 21
928	Barra do Corda	5 30	45 16	81·0	1000·1	1009·4	— 0·9	..	..	..	294·5	291·0	7th	..	*299·6*	—0·2	22	+ 9
929	Quixeramobim	5 16	39 15	207	988·3	1011·5	— 0·3	306·7	307·7	26th	298·3	297·6	2nd, 19th	302·5	*301·6*	+0·4	10	+ 5
930	Fernando Noronha	3 50	W32 25	106	1001·0	1013·0	— 0·3	300·7	301·8	20th	296·8	295·0	7th	298·8	*298·3*	..	11	..
939	Loanda	8 49	E 13 13	59·3	..	1014·6	+ 2·1	298·2	300·0	20th	294·6	292·8	1st	296·4	296·2	—0·1	7	— 95
940	Brazzaville	4 17	15 16	320	975·8	1011·6	— 0·5	305·9	309·0	5th, 15th	295·6	294·0	11th, 16th	300·8	*300·1*	+1·6	33	..
943	Masaka	0 21	31 47	‡1280	..	..	..	299·2	302·4	1st	289·3	288·0	2, 3, 6	294·2	*292·8*	+0·2	147	+ 52
944	Nairobi	1 14	36 44	1800	..	..	..	301·3	303·0	28th	289·1	286·9	18, 25, 30	295 2	*294·5*	+3·6	73	+ 20
944*a*	Zanzibar	6 10	39 11	21·9	1014·3	1016·8	+ 0·3	301·2	302·9	15th	296·8	295·7	10th, 26th	299·0	*298·2*	—0·3	149	+ 63
945	Lamu	2 16	40 50	3·1	..	..	..	301·9	302·4	13, 27, 31	296·9	295·8	12th	299·4	*299·0*	—0·5	91	+ 59
947	Seychelles, Port Office	4 37	55 27	4·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	312	—104
958	Batavia	6 11	106 50	8·0	1009·4	1010·3	+ 0·1	302·7	306·0	31st	296·0	294·8	24th	299·4	298·9	—0·7	247	+133
958*a*	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	439	+ 50
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	83	+ 62
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	159	+112
962	Amboina	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	104	— 53
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
965	Daru	9 4	143 13	7·6	..	1011·7	+ 0·4	299·8	..	..	..	..	..	..	..	..	70	+ 15
966	Port Moresby	9 29	147 9	39·0	..	1012·4	+ 0·9	302·2	..	..	297·4	..	..	299·8	*299·4*	+0·4	51	+ 30
967																		— 5
968	Rendova	8 30	157 12	1·8	1009·8	1009·9	+ 0·1	..	..	..	..	..	..	..	..	..	362	+ 61
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·3	1010·6	+ 0·6	304·4	306·3	19th	297·6	295·4	16th	301·0	*300·8*	+0·7	261	—115
970	Ocean Island	0 52 S.	169 35 E.	54·0	1001·5	1007·7	— 0·6	304·8	305·8	sev. dates	297·8	295·2	21st	301·3	*300·5*	+0·3	7	..

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1010·5	— 1·0	302·8	304·5	16th	295·0	293·4	18th	298·9	299·1	+0·2	393	+230
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·2	304·1	5th, 6th	292·9	288·6	18th, 19th	297·1	*296·9*	—0·4	49	— 41
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	761·1	..	— 0·1	292·7	294·5	16th	282·3	279·2	4th	287·5	*287·0*	+0·1	0	0
1022	Puerto de Arica	18 28	70 20	5	..	..	..	293·5	294·2	9th	287·2	286·4	sev. dates	290·3	..	+0·2	0	0
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	728·9	..	..	291·5	297·8	14th	280·4	278·2	11th	285·9	*285·7*	..	53	+ 17
1025	Corumba	18 59	57 39	116	997·1	1010·2	+ 0·1	303·8	308·0	1st, 14th	293·9	287·2	29th	298·8	*298·2*	—0·7	157	+ 55
1026	Cuyaba	15 36	56 6	165	991·0	1009·6	+ 0·4	306·4	311·0	10th	295·1	291·5	30th	300·8	*300·9*	0·0	68	— 48
1027	Bello Horizonte	19 55	43 57	895	912·4	1010·6	— 3·4	297·9	303·2	26th	289·5	287·8	31st	293·7	*294·5*	+0·1	57	— 61
1028	Caetite	14 3	42 37	900	916·0	1014·8	+ 1·2	300·2	306·1	17th	289·9	288·0	15th	295·0	*295·6*	—0·6	80	+ 9
1029	Ondina (Bahia)	13 0	38 31	46·6	1009·2	1014·7	+ 0·4	300·3	302·0	28th, 29th	295·2	293·2	5th, 6th	297·8	*297·4*	—0·1	65	+ 07
1030	Aracaju	10 54	37 3	4·0	1014·6	1015·0	+ 0·4	301·1	302·0	29th	295·4	294·0	5th	298·3	*299·3*	+0·4	14	— 45
1035	St. Helena	15 57	W 5 40	‡579	947·0	1014·0	+ 1·1	291·5	294·1	21st	285·3	284·6	30th, 31st	288·4	*288·1*	+0·5	79	+ 30
1039	Mossamedes	15 11	E 12 10	12·5	..	..	..	294·7	297·0	23rd	288·8	285·8	4th	291·7	*291·6*	..	0	..
1042	Gwelo	19 28	29 48	1417	862·3	1012·4	+ 0·1	303·4	309·1	18th, 19th	286·9	280·8	11th, 12th	295·2	..	+0·7	24	— 7
1043	Salisbury, Rhodesia	17 48	31 5	1457	855·8	1009·4	— 1·8	304·1	307·4	17th	288·2	284·3	18th	296·1	*295·0*	+1·6	15	— 14
1044	Zomba	15 23	35 18	996	906·9	1015·0	— 2·9	303·7	309·1	7th	291·3	286·3	11th	297·5	*297·1*	+1·1	77	— 58
1045	Antananarivo	18 55	47 32	1400	866·3	1017·0	+ 0·5	301·0	306·0	29th	285·8	282·1	3rd, 4th	293·4	*292·4*	+0·9	6	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1013·1	1013·6	0·0	301·1	302·4	4th	296·8	294·4	16th	298·9	*298·5*	—0·7	46	— 69
1057	Christmas Island	10 25	105 43	5·5	1009·3	1009·9	0·0	303·3	305·2	..	295·9	293·0	..	299·6	*299·1*	—0·6	100	+ 18
1061	Kupang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	27	+ 7
1061*a*	Derby	17 18	123 40	16·2	1009·8	1011·7	+ 0·3	308·8	315·9	26th	295·3	289·6	21st	302·0	..	—0·1	1	+ 0
1062	Hall's Creek	18 13	127 46	374	970·2	1011·3	+ 0·4	308·6	312·7	29th	292·3	287·4	1st	300·4	*299·8*	—1·3	26	+ 21
1063	Darwin	12 28	130 51	29·6	1007·0	1010·2	0·0	307·0	310·1	31st	298·4	296·2	13th	302·7	*301·6*	+0·1	76	+ 18
1064	Daly Waters	16 16	133 23	211	985·3	1008·4	— 1·4	310·4	314·1	29th	295·5	290·8	21st	303·0	*302·4*	+0·1	3	— 12
1065	Mein	13 13	142 47	122	996·4	1010·1	— 0·6	306·3	310·5	16th	295·0	293·0	16th	300·7	..	+0·4	3	— 12
1066	Georgetown, Queensland	18 22	143 32	302	979·1	1012·7	+ 0·5	307·4	310·6	15th	292·4	285·8	26th	299·9	..	—0·7	7	..
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	— 61
1072	Suva, Fiji	18 8 S.	178 26 E.	17·7	1012·0	1014·1	— 0·5	299·4	300·9	25th	293·6	291·4	7th	296·5	*296·3*	—0·9	137	mm.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	297·9	300·2	5th	292·7	288·6	18th	295 ·3	*295·1*	—0·4	205	+102
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·9	1017·1	+ 0·4	289·7	291·6	15th	284·4	282·7	2nd	287·1	*287·0*	+0·6	0	0
1122	Iquique	20 12	70 11	9	1015·0	1016·1	0·0	293·1	295·0	13th	287·1	285·8	4th	290·1	*289·9*	—0·4	3	+ 3
1123	Catamarca	28 27	65 47	510	950·9	1008·3	— 1·5	300·4	308·0	6th, 20th	287·6	282·4	3rd	294·0	293·8	—1·7	5	— 13
1124	Salta	24 46	65 28	1178	881·9	1011·2	— 0·5	296·8	305·5	20th	285·4	280·4	28th	291·1	290·9	—1·3	47	+ 27
1125	Goya	29 9	59 15	26	1009·7	1012·7	— 0·7	300·4	307·9	1st	288·9	281·8	29th	294·7	293·8	+1·0	147	+ 32
1126	Asuncion	25 21	57 37	95	‡1002·5	‡1013·5	— 0·8	304·1	310·0	14th	290·4	283·0	30th	297·3	296·0	+0·2	209	+ 75
1127	Curityba	25 25	49 17	908	915·0	1017·0	+ 0·5	295·9	303·4	14th	285·2	281·3	31st	290·6	*289·6*	+0·6	34	—124
1128	Rio de Janeiro	22 54	W43 10	61·4	1009·0	1017·7	+ 1·2	298·0	309·1	15th	292·2	289·1	31st	295·1	294·8	+0·3	96	+ 9
1139	Windhoek	22 35	E 17 5	1680	..	..	..	299·5	305·0	18th	288·6	276·5	7th	294·1	*294·3*	—0·2	1	— 8
1140																		
1141	Kimberley	28 42	24 47	1202	882·2	1012·7	+ 0·1	301·0	308·7	20th	283·5	274·3	8th	292·2	292·3	—0·1	36	+ 10
1141*a*	Johannesburg	26 11	28 4	1806	824·1	1015·1	— 0·1	295·7	304·7	20th	283·7	273·1	4th	289·7	*289·4*	—0·4	128	+ 63
1142	Pretoria (Brooklyn)	25 46	28 13	1400	863·1	1013·7	0·0	298·6	308·1	21st	285·5	276·9	7th	292·0	*291·7*	—0·6	162	..
1142*a*	Bulawayo	20 9	28 35	1340	868·6	1011·6	— 0·3	302·2	308·0	19th	287·3	282·4	11th	294·7	*294·4*	—0·7	49	+ 26
1143	Durban	29 52	31 3	15·2	1016·9	1018·7	+ 0·1	296·5	300·8	25th	289·4	285·6	5th	293·0	*292·4*	—0·2	179	+ 48
1144	Lourenço Marques	25 58	32 36	59	..	1016·7	+ 0·4	299·1	312·4	18th	290·4	285·9	10th	294·7	294·4	—1·1	135	+ 59
1147	Mauritius	20 6	57 33	55·2	1011·7	1018·1	— 0·1	299·6	301·9	17th	291·3	289·0	4th, 11th	295·5	295·1	—0·1	48	+ 13
1159	Onslow	21 43	114 57	4·3	1011·4	1012·3	— 0·4	306·4	316·9	29th	289·7	284·4	3rd	298·1	..	+1·2	0	— 1
1160	Peak Hill	25 38	118 47	588	946·5	1012·0	0·0	303·9	312·4	29th, 31st	288·0	280·2	1st	295·9	..	+0·7	0	— 5
1161	Nullagine	21 53	120 5	386	968·8	1011·2	— 0·3	308·3	314·6	29th, 30th	289·3	281·1	21st	298·8	..	—0·1	0	— 6
1162	Laverton	28 40	122 23	466	962·5	1014·6	+ 0·1	302·8	313·6	30th	286·9	279·8	1st	294·9	*294·8*	+2·0	1	— 7
1163	Alice Springs	23 38	133 37	587	947·4	1012·4	— 1·3	302·5	310·2	25th	287·2	282·4	6th, 25th	294·9	295·7	—1·0	23	+ 4
1164	William Creek	28 55	136 21	76·2	1005·6	1014·3	— 0·1	301·7	313·8	10th	287·1	281·9	24th	294·4	*294·1*	+0·1	34	+ 24
1164*a*	Boulia	22 55	139 38	146	995·1	1011·5	— 0·2	305·6	311·9	11th	291·2	285·8	25th, 26th	298·4	*298·4*	—0·8	31	+ 19
1165	Thargomindah	27 58	143 43	123	999·4	1013·4	— 0·4	302·2	309·3	11th	288·7	282·6	25th	295·4	*295·1*	—0·1	26	+ 5
1166	Mitchell	26 32	147 52	336	977·1	1014·7	..	300·1	306·6	11th	286·5	281·3	26th	293·3	..	—0·2	57	+ 22
1167	Rockhampton	23 24	150 30	11·3	1014·4	1015·7	+ 0·2	302·0	306·9	15th	290·2	287·2	2nd	296·1	..	—0·8	99	+ 53
1168	Brisbane	27 28	153 2	41·7	1012·5	1017·4	+ 1·4	298·7	306·1	27th	288·8	284·9	1st	293·8	*293·2*	—0·2	55	— 10
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1017·8	1019·6	+ 1·9	294·8	297·7	16th	288·4	284·4	23rd	291·6	*291·2*	+0·4	110	+ 6

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	1019·4	1020·6	..	288·7	291·4	17th, 31st	281·9	279·6	4th	285·3	*286·0*	—0·4	37	— 6
1221*a*	Punta Tumbes	36 37	73 6	91	‡1007·5	‡1018·6	+ 0·3	287·4	289·0	21st, 25th	280·5	276·5	2nd	283·9	*283·8*	—1·0	41	+ 26
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1012·0	1017·0	— 0·8	291·4	299·2	16th	282·9	281·0	8th	287·1	*286·7*	—0·5	5	— 6
1223	Santiago	33 27	70 42	520	955·6	1016·3	— 0·3	294·3	301·0	11th, 18th	279·4	275·2	2nd	286·9	*286·1*	—0·3	5	— 9
1224	Cordoba	31 25	64 12	423	965·4	1014·2	+ 0·5	296·8	305·7	..	284·2	275·9	..	290·5	290·1	—0·3	74	+ 13
1225	Bahia Blanca	38 45	62 15	25	..	1015·6	+ 0·4	292·8	301·0	25th	282·0	274·0	28th	287·4	287·6	—0·4	145	+ 88
1226	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1016·8	+ 0·4	293·5	298·7	19th	282·3	274·4	28th	287·9	288·3	—1·8	124	+ 38
1226*a*	Montevideo (Prado)	34 52	56 12	24·9	1014·0	1017·0	+ 0·1	293·0	298·9	13th	282·5	274·6	30th	287·8	287·7	—0·2	143	+ 80
1227	Porto Alegre	30 2	W51 13	23·5	1013·7	1016·5	0·0	297·5	307·7	2nd	287·6	281·2	30th	292·6	292·2	+1·0	113	+ 42
1239	Cape Town	33 56	E 18 29	12·2	..	1018·9	+ 1·2	293·2	300·2	31st	284·2	279·1	4th	288·7	*287·7*	—0·5	54	+ 12
1240	Danger Point	34 37	19 18	27·7	1011·9	1015·2	..	290·9	294·7	31st	284·8	280·2	9th	287·8	..	..	58	+ 24
1241	Riversdale	34 6	21 16	?61	1006·2	1013·4	..	297·1	304·7	21st	281·9	275·8	9th	289·5	..	..	17	..
1242	East London	33 1	27 54	9·8	1015·7	1016·9	— 0·2	298·3	303·0	sev. dates	286·8	281·3	7th, 8th	292·6	..	+2·2	19	— 84
1259	Perth (Observatory)	31 57	115 51	60·0	1010·1	1017·6	+ 0·7	295·1	303·3	19th	284·9	280·7	2nd	290·0	*289·8*	+0·9	37	— 17
1260	Katanning	33 42	117 35	310	980·1	1016·5	+ 0·8	294·7	302·4	20th	281·4	276·9	3rd	288·1	..	+1·2	20	— 20
1261	Coolgardie	30 57	121 10	423	966·9	1015·0	+ 0·1	300·2	308·7	29th	283·6	277·9	1st, 22nd	291·9	*291·8*	+1·3	8	— 11
1262	Eucla	31 45	128 58	4·6	1015·6	1016·1	+ 0·9	293·8	304·7	7th	284·8	280·1	12th, 24th	289·3	*288·8*	—0·7	38	+ 20
1263	Streaky Bay	32 48	134 13	13·1	1015·2	1016·6	+ 0·8	297·1	305·3	30th	283·9	278·7	15th	290·5	*289·9*	+0·6	25	+ 1
1264	Adelaide	34 56	138 35	42·7	1011·8	1016·8	+ 1·0	295·9	305·1	31st	284·3	278·7	25th	290·1	*289·8*	+0·5	74	+ 30
1265	Melbourne	37 49	144 58	35·1	1012·7	1016·8	+ 2·1	293·0	303·0	31st	282·9	276·6	2nd	288·0	*287·8*	+0·8	94	+ 28
1266	Bourke	30 13	145 58	110	1005·3	1018·3	+ 0·2	300·9	309·7	31st	287·0	281·3	26th	294·0	..	—0·4	39	+ 13
1267	Sydney	33 51	151 13	44·5	1012·3	1017·6	+ 2·8	294·9	300·9	8th	286·3	282·3	3rd	290·6	*290·9*	+0·1	44	— 38
1268	Lord Howe Island	31 20	159 0	4·6	1017·6	1018·1	+ 1·3	294·7	298·1	27th	288·4	281·6	1st	291·6	..	+0·3	118	— 21
1271	Auckland	36 50	174 50	38·1	..	1019·3	..	290·2	293·0	22nd	284·1	279·9	6th	287·1	..	+0·1	75	— 17
1272	Napier	39 32 S.	176 53 E.	21·3	..	1017·5	+ 4·6	291·3	298·0	28th	281·4	276·1	5th	286·3	..	—0·9	95	+ 31

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		S.	W.															
1301	Chatham Island	43 52	170 42	104	..	1011·4	..	..	..	..	..	..	..	..	..	..	38	— 20
1321	Isla Guafo	43 34	74 45	140	1000·7	1017·8	— 0·3	284·3	287·9	26th	279·0	275·7	3rd	281·7	*281·2*	—0·4	65	+ 10
1322	Punta Galera	40 1	73 44	40	1014·4	1019·3	+ 0·7	285·3	288·0	16th, 31st	279·7	277·4	7th	282·5	*283·0*	—0·9	90	— 17
1323	Sarmiento	45 30	69 0	274	..	1011·8	..	289·8	300·3	24th	276·4	271·0	26th	283·1	282·7	—1·7	4	— 1
1324	Punta Madryn	42 49	W64 58	14	..	1014·8	..	290·4	300·5	31st	278·2	270·8	28th	284·3	284·4	—1·9	3	— 13
1365	Launceston	41 27	E147 10	10·1	1013·2	1014·3	+ 2·9	292·2	297·9	23rd	280·3	275·7	16th	286·2	*285·4*	+1·1	49	— 19
1366	Hobart	42 53	147 20	53·9	1006·8	1013·3	+ 2·9	291·6	298·2	10th	281·6	276·4	1st	286·6	*285·8*	+1·4	22	— 35
1370	Invercargill	46 25	168 21	5·5	..	..	..	289·3	296·9	28th	277·1	270·2	3rd	283·2	..	—0·4	53	— 68
1371	Dunedin	45 52	170 31	91·4	..	1013·9	+ 4·8	289·0	296·9	28th	279·2	275·2	5th, 9th	284·1	..	+0·6	40	— 37
1372	Christchurch	43 31	172 39	7·6	..	1015·0	+ 4·3	289·9	296·9	28th	280·8	274·2	26th	285·4	..	+0·7	30	— 11
	Wellington	41 16 S.	174 46 E.	2·4	..	1017·6	+ 5·2	288·1	290·8	22nd	282·2	274·2	5th	285·2	..	—0·2	87	— 17
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

OCTOBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas .	52 24	75 6	55	1004·0	1010·8	+ 6·1	279·1	281·2	13th	276·2	272·2	1st	277·7	*277·3*	—1·3	173	— 73
1422	Puerto de Punta Arenas .	53 10	70 54	4	..	..	..	..	..	..	..	..	..	..	..	..	3	— 27
1423	Punta Dungeness . .	52 24	68 26	5	1005·9	1006·5	+ 3·0	281·7	287·2	18th	275·8	274·4	sev. dates	278·7	*278·5*	—1·3	2	— 8
1424	Santa Cruz . . .	50 11	68 21	12	1008·3	1009·7	+ 2·2	286·6	296·1	31st	275·4	266·4	9th	281·0	280·6	—1·8	9	+ 1
1424*a*	Año Nuevo . . .	54 39	64 8	50	997·3	1003·5	+ 2·9	280·8	286·0	19th	274·2	270·6	15th	277·5	277·4	+0·1	35	+ 7
1425	Stanley, Falkland Is. .	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	26	— 12
1426	Cape Pembroke . .	51 41	57 42	21	..	1003·9	— 0·5	280·4	288·0	30th	273·7	270·8	2nd, 27th	277·1	277·4	—0·9	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	994·8	995·3	— 5·3	275·6	281·8	20th	268·9	262·0	15th	272·3	272·2	—3·0	127	+ 55

OCTOBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys. . .	60 44 S.	44 39 W.	7	992·7	993·6	+ 0·3	268·2	275·0	16th	260·0	248·5	7th	264·1	264·6	—4·6	28	+ 2
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—OCTOBER, 1920.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s		9h. 17h.	7h. 21h.	9h.	9h.	8h. 21h.	9h.
1	S	..	..	Calm 0 SW 1	N 1 S 1	Calm 0	SE 4	ENE 3 ENE 3	SE 2
2	S	8·4	..	E 1 SW 2	N 1 SE 1	Calm 0	Calm 0	ENE 3 ENE 3	SE 3
3	SE	8·3	..	E 1 SW 3	N 1 N 2	NE 2	Calm 0	ENE 3 E 3	SE 2
4	SE	8·0	..	E 1 SW 2	SW 1 SW 2	E 3	ESE 2	NNE 3 NE 4	SW 2
5	S	12·8	..	E 1 SW 2	S 2 S 2	ENE 3	ESE 4	NNE 3 E 1	E 3
6	S	10·9	..	E 1 SW 3	N 2 SW 2	ENE 3	SE 2	ENE 3 E 3	SE 3
7	S	7·5	..	NE 5 SW 2	S 1 S 2	E 2	SE 2	ESE 3 E 3	SE 3
8	S	7·7	..	Calm 0 SW 3	S 1 SW 2	E 2	ESE 2	E 2 E 3	SE 3
9	S	8·7	..	E 1 SW 2	S 2 N 1	E 1	SE 4	ENE 2 ENE 2	SE 3
10	S	9·0	..	E 1 SW 1	SW 2 N 1	NE 1	SE 2	E 3 E 3	SE 3
11	S	10·3	..	W 1 SW 1	N 1 SW 2	NE 1	ESE 2	ENE 3 ENE 3	SE 3
12	S	9·0	..	Calm 0 SW 2	S 1 S 1	NE 2	SE 2	ENE 3 NE 3	SE 3
13	S	7·2	..	NE 1 SW 1	S 1 SE 2	NE 2	ESE 2	NE 4 ENE 3	SE 3
14	S	8·0	..	Calm 0 Calm 0	N 1 SW 2	NE 3	ESE 4	SE 2 SE 2	SE 3
15	S	11·6	..	Calm 0 SW 1	S 1 SW 1	NE 2	Calm 0	S 1 E 1	SE 3
16	S	9·5	..	Calm 0 SW 1	N 1 N 2	ESE 1	Calm 0	E 2 E 2	SE 3
17	S	..	..	S 2 SW 1	SW 1 S 2	ENE 1	ESE 2	NE 2 NE 2	SE 3
18	S	..	..	NE 2 Calm 0	SE 2 W 2	ENE 2	SE 2	NE 2 Calm 0	SE 3
19	S	7·8	..	NE 4 Calm 0	N 2 SW 1	ESE 2	ESE 2	E 1 E 1	E 3
20	S	7·5	..	NE 4 Calm 0	S 1 S 2	ENE 1	ESE 2	E 1 Calm 0	E 4
21	S	12·0	..	E 1 NE 1	S 1 SE 2	Calm 0	SE 2	ENE 2 Calm 0	E 4
22	S	13·9	..	E 1 SW 1	SE 1 SW 2	Calm 0	SE 2	ENE 3 E 3	SE 3
23	S	11·4	..	NE 1 SW 1	W 1 S 1	SE 2	SE 4	E 4 E 4	E 3
24	S	11·2	..	NE 1 NE 1	N 1 SE 2	NE 6	SE 2	ENE 4 ENE 3	SE 3
25	S	11·0	..	E 1 SW 1	NE 1 S 1	NE 2	SE 4	NE 2 ENE 1	SE 3
26	S	12·3	..	NE 3 SW 1	S 1 SW 1	ENE 2	Calm 0	E 1 E 3	SE 3
27	S	..	..	Calm 0 SW 1	S 1 W 1	ESE —	SE 2	NE 2 E 3	E 4
28	S	10·4	..	NE 1 Calm 0	S 1 S 2	E 2	SE 4	E 4 E 1	SE 4
29	S	7·9	..	Calm 0 Calm 0	S 1 SW 1	E 1	ESE 2	SW 2 Calm 0	E 2
30	S	5·3	..	NE 2 SW 2	S 1 S 1	SE 2	ESE 6	W 1 E 3	E 2
31	S	3·3	..	SW 1 SW 1	S 1 W 1	SE 3	ESE 6	NW 1 N 2	E 2·8
Mean	..	9·3	..	1·2 1·2	1·2 1·5	1·9	2·4	2·4 2·2	
§Resultant	175° (98)	..	..	175° (15)	200° (42)	80° (74)	125° (79)	75° (72)	125° (90)
§Normal	145° (92)	8·7	‖131° (72)	261° (15)	245° (33)	85° (83)	136° (83)	‖115° (38)	100° (64)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 2608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—OCTOBER 1920.

‡‡ *Spitsbergen.*—The west coast was free of ice. A little young ice formed in the inmost part of Braganza Bay about the middle of the month.

‡‡ *Greenland Sea and Denmark Strait.*—Some scattered ice was first observed about 10 miles off shore on the 11th. On the 15th, three weeks earlier than normal, the first large mass of "Storis" came from the north forming a belt 12 miles wide. On the 30th, the belt grew wider, and later no open water was visible.

‡‡ *N. Atlantic and Labrador.*—Nineteen icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being four. In Belle Isle Strait there were still many icebergs and east of Belle Isle icebergs were met with about 100 miles off shore.

‡‡ *Davis Strait and Baffin Bay.*—Except for a strip of scattered ice south of Cape Farewell, the sea was free of ice along the west coast of Greenland to past Upernivik. Icebergs were, however, met with along this coast to a distance of 110 miles offshore but not further out in the Strait.

‡‡ *Smith Sound.*—No ice visible from Cape Robertson on the 5th but by the end of the month Inglefield Gulf was covered with young ice, which was soon driven out by a gale. Young ice formed in Kane Basin about the middle of the month, but there was open water in Kennedy Channel and between Cape Alexander and Ellesmere Land.

‡‡ *Bering Sea and Bering Strait.*—Bering Sea was free of ice. In Bering Strait there was a mass of solid polar ice trending almost north and south with open sea to the east. The southmost part of this ice was in 66° N. Usually the polar ice does not reach so far south.

‡‡ *Isforholdene i de arktiske Have, 1920 and 1921*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, NOVEMBER 1920.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF NOVEMBER 1920 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **NOVEMBER—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1395	Barrow	71 23	156 17	6·1	..	..	..	258·1	274·7	11th	250·9	239·7	27th	254·5	..	..	9	..
1423	Inglefield Bay . .	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1425	Upernivik . . .	72 47	W56 7	18·9	998·4	1000·9	— 7·7	262·0	267·3	1st	258·3	250·0	28th, 29th	260·1	*259·8*	—3·1	75	+ 48
1539	Spitsbergen(GreenHarbour)	78 2	E14 14	11·4	997·0	998·5	— 8·7	..	276·5	28th	262·7	256·4	16th	..	265·6	+5·9	61	+ 31
1540	Björnöen. . . .	74 28	19 15	40·5	995·0	1000·1	..	..	..	..	..	..	..	..	*270·9*	..	54	..
1541	Gjesvaer	71 6	25 22	6·5	1003·9	1004·7	— 0·4	..	280·2	1st	273·6	269·8	11th	..	*275·7*	+4·2	72	+ 1
1542	Mehavn	71 1	27 47	6·4	1003·5	1004·3	+ 0·8	..	280·3	1st	272·2	266·1	12th	..	*274·7*	+3·6	102	+ 26
1543	Vardö	70 22	31 8	10·0	1003·8	1005·1	— 1·1	..	278·4	26th	271·2	266·6	13th	..	*273·4*	+2·5	12	— 50
1547	Malye Karmakouly . .	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1548	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															

Between Latitude 70° N. and 60° N. **NOVEMBER—ZONE 2.**

2453	Nome	64 30	165 24	6·7	..	1006·8	+ 0·5	264·9	275·2	8th	259·1	248·0	20th, 24th	262·0	*262·1*	—1·6	48	+ 24
2454	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2455	Tanana	65 10	152 6	67·1	..	1010·8	+ 1·1	260·5	270·8	1, 2, 12	253·7	241·3	20th	257·1	*257·5*	+1·8	10	— 5
2456	Rampart	65 30	150 15	122	..	..	..	259·1	270·8	2nd	256·6	243·0	30th	257·8	..	..	8	— 8
2457	Valdez	61 7	146 16	8·2	..	1005·1	+ 1·9	272·9	279·7	11th	266·8	256·9	29th	269·9	*269·9*	+0·2	114	+ 12
2458	Eagle	64 46	141 12	254	..	1012·2	+ 0·8	260·1	279·1	1st	253·4	237·4	22nd	256·8	..	0·0	7	— 5
2459	Dawson	64 4	139 20	328	971·2	1014·2	+ 2·0	261·3	279·1	2nd	254·7	243·0	30th	258·0	..	+2·2	25	— 5
2511	Carcross	60 11	134 34	662	..	..	..	270·3	282·4	5th	262·3	249·1	16th	266·3	..	+1·2	12	— 13
2512	Fort Good Hope . .	66 25	128 53	65·2	1007·8	1016·7	..	256·9	272·4	2nd	248·6	229·1	22nd	252·7	..	..	9	— 20
2513	Fort Simpson . .	61 52	121 35	129	999·0	1016·1	..	261·9	271·9	2, 3, 4	257·4	241·9	23rd	259·7	..	+4·9	18	— 5
2513	Hay River . . .	60 51	115 20	161	993·9	1014·9	..	265·2	274·7	1st	259·1	245·2	23rd	262·2	..	+3·6	30	..
2525	Jacobshavn . . .	69 13	51 2	12·6	996·6	998·2	— 8·6	263·2	274·0	4th	257·9	252·5	12th	260·5	*260·8*	—3·3	7	— 10
2526	Godthaab . . .	64 11	51 43	9·0	991·5	992·7	—10·4	267·6	275·0	4th	262·8	256·6	29th	265·2	*265·5*	—2·8	..	..
2527	Ivigtut	61 12	48 10	5·0	992·6	993·2	— 9·8	268·7	277·6	4th	263·1	255·5	29th	265·9	*265·7*	—4·2	39	— 73
2529	Angmagsalik . . .	65 37	37 33	31·7	986·4	990·4	—12·7	272·2	277·6	24th	267·3	257·2	12th	269·7	*269·5*	+1·8	118	+ 31
2531	Stykkisholm . . .	65 5	22 46	11·3	990·2	991·6	—12·7	277·6	283·0	23rd	273·8	269·2	10th	275·7	*275·8*	+2·3	88	+ 24
2532	Vestmanno . . .	63 26	20 15	7·7	992·6	993·5	— 8·3	279·1	281·5	23rd	274·8	270·8	17th	276·9	*277·2*	+1·3	214	+ 79
2533	Grimsey	66 33	17 58	22·0	992·0	994·7	—10·3	278·2	282·4	23rd	..	..	..	..	*276·3*	+3·3	..	..
2534	Berufjord	64 40	14 19	18·0	995·2	997·4	— 6·8	278·4	282·2	2nd	273·9	269·3	11th	276·1	*276·1*	+2·2	126	+ 16
2535	Thorshavn . . .	62 3	6 45	26·3	1000·8	1004·0	— 1·8	281·8	284·4	20th	277·7	273·1	17th	279·7	*279·8*	+2·1	167	+ 3
2536	Lerwick	60 9	W 1 8	18·0	1008·3	1010·5	+ 3·6	282·8	286·3	20th	279·3	276·3	14th	281·1	*281·4*	+2·2	143	+ 35
2537	Bergen (Met. Obs.) .	60 24	E 5 19	44·4	1010·4	1015·9	+ 4·9	280·5	284·1	1st	276·4	270·2	29th	278·5	*278·6*	+1·6	273	+ 95
2538	Christiansund . .	63 7	7 45	5·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2539	Trondhjem . . .	63 26	10 25	39·5	1008·8	1013·8	+ 3·9	278·4	284·3	13th	273·2	266·9	29th	275·8	*275·9*	+2·3	79	— 29
2540	Bodö	67 17	14 24	22·4	1007·2	1009·9	+ 2·8	..	283·4	19th	274·7	270·0	18th	..	*277·0*	+3·2	40	— 86
2541	Haparanda . . .	65 50	24 9	9·2	1011·7	1012·9	+ 2·9	274·9	279·5	22nd	269·8	260·0	12th	272·3	*272·8*	+4·8	56	+ 9
2542	Helsingfors . . .	60 10	24 57	11·7	1020·3	1021·9	+ 7·9	277·6	281·7	16th	274·0	268·1	19th	275·8	*275·9*	+2·5	36	— 26
2424	Kuopio	62 54	27 40	90·3	1006·4	1017·8	+ 4·6	275·4	280·9	16th	271·5	267·0	12th	273·4	*273·8*	+3·5	47	+ 6
2543	Kola	68 53	33 1	6·7	1007·1	1008·0	— 0·6	272·9	277·9	20th	268·1	255·8	11th	270·5	*270·6*	+4·1	19	— 5
2544	Petrozavodsk . .	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2545	Arkhangelsk . . .	64 35	40 36	6·2	1012·0	1012·8	+ 1·6	273·6	277·8	16th	269·3	262·2	26th	271·4	*271·5*	+4·2	21	— 10
2546	Mezen	65 50	44 16	12·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2547	Oust-Tsylma . . .	65 25	52 14	? 70	1001·2	1010·3	— 2·8	268·7	276·0	15th	261·8	242·9	28th	265·2	*265·5*	+2·3	26	..
2548	Tcherdyn	60 24	56 31	? 177	993·1	1016·2	— 1·2	265·2	276·4	17th	259·4	240·5	28th	262·3	*262·2*	—0·4	54	+ 11
2549	Berezov	63 56	65 4	39·9	1004·8	1010·1	— 5·1	..	276·9	17th	253·2	237·3	27th	..	*258·9*	+0·9	10	— 9
2550	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2551	Sourgout	61 15	73 24	? 40	1008·6	1014·0	— 4·2	..	274·8	17th	250·4	226·9	27th	..	*256·1*	—2·5	24	+ 3
2552	Doudinka	69 23	86 4	20	1001·0	1003·7	— 9·5	..	270·5	6th	249·1	228·8	29th	..	*252·5*	..	8	..
2553	Touroukhansk . .	65 47	87 57	45	1004·6	1010·7	— 6·0	..	270·4	6th	248·7	218·5	29th	..	*252·4*	+0·1	21	+ 1
2561	Viliouisk	63 45	121 35	? 120	1003·1	1019·7	..	..	263·8	26th	245·8	230·4	30th	..	*249·3*	+1·5	13	0
2562	Iakoutsk	62 1	129 43	108	1002·0	1017·1	— 6·1	..	262·8	27th	241·3	228·3	9th	..	*246·6*	+2·4	10	0
2563	Verkholansk . . .	67 33	133 23	100	997·0	1011·6	— 5·1	..	257·1	2nd	231·5	221·7	30th	..	*233·5*	—2·6	..	..
2571																		
2572																		
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*

NOVEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1000·3	— 2·9	274·9	279·1	11th	271·7	268·0	30th	273·3	..	..	75	+ 82
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	998·6	— 3·3	277·5	283·0	7th, 8th	273·2	268·6	6th	275·3	..	+0·6	255	
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	271·6	279·7	16th	264·4	254·1	29th	268·0	..	..	9	— 59
306	Kodiak (Radio)	57 46	152 22	6·1	..	999·3	— 1·0	277·5	281·9	4th	273·3	265·2	29th	275·4	..	..	70	
309	Sitka	57 3	135 19	27·4	..	1007·4	+ 1·8	280·8	285·2	1st	273·9	269·1	14th	277·4	*277·0*	+0·7	163	— 74
310	Prince Rupert	54 18	130 18	51·8	1006·4	1012·8	+ 5·1	280·8	284·7	1st	275·8	273·0	sev. dates	278·3	*278·1*	+0·2	240	— 30
311	Barkerville	53 2	121 35	1274	866·2	1014·9	— 1·2	274·1	278·6	1st, 2nd	266·9	258·6	12th	270·5	*270·3*	+2·2	68	— 15
312	Kamloops	50 42	120 29	385	975·5	1023·0	+ 2·7	279·1	284·1	3rd, 17th	271·9	261·3	12th	275·5	*275·5*	+0·4	20	— 7
313	Calgary	51 2	114 2	1045	894·5	1017·9	+ 0·9	279·1	286·3	2nd, 29th	264·1	252·4	11th	271·6	*270·9*	+1·7	3	— 15
314	Fort Chipewyan	58 42	111 10	218	987·5	1015·4	..	270·2	279·1	3rd	261·9	246·9	25th	266·1	*266·3*	+4·7	13	— 10
315	Prince Albert	53 10	105 38	442	963·4	1019·0	+ 3·4	273·0	283·0	2nd	264·1	255·2	9th	268·6	*268·4*	+3·1	22	— 3
316	Qu'Appelle	50 30	103 47	645	939·7	1019·5	+ 3·9	273·0	280·8	3rd	265·2	250·2	9th	269·1	*268·8*	+1·8	17	— 7
317	Minnedosa	50 15	99 50	515	955·8	1020·2	+ 3·0	272·4	281·9	3rd	264·7	255·2	9th	268·6	*268·3*	+1·3	20	— 4
318	Berens River	52 18	97 23	216	..	..	..	272·1	281·3	25th	266·8	259·1	23rd	269·4	..	+3·0	13	— 43
318*a*	Port Nelson	57 4	92 36	14·9	1014·5	1016·4	+ 1·8	266·9	279·7	1st	259·1	246·9	19th	263·0	..	0·0	18	— 15
319	Fort Hope	51 33	87 49	‡260	986·0	1019·3	..	270·2	278·0	16th	261·9	248·0	20th	266·1	*266·1*	+0·2	22	— 4
320	Moose Factory	51 14	80 30	9·1	1016·4	1017·6	+ 2·7	270·8	277·4	30th	260·2	251·9	21st	265·5	..	—2·7	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	270·1	274·7	30th	265·9	256·9	23rd	268·0	*268·2*	..	48	+ 24
322	Mistassini Post	50 15	73 55	383	..	..	..	269·0	274·7	1st	261·6	250·2	12th	265·3	..	+0·4	51	
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	272·5	284·1	3rd	263·1	251·9	29th	267·8	..	—2·1	54	
326	Belle Isle	51 53	55 23	133	..	..	..	270·8	278·6	4th	265·2	259·1	24th	268·0	*268·0*	—2·5	..	
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1011·7	1013·4	+ 0·8	285·0	288·0	14th	281·3	277·4	17th	283·2	283·4	+1·7	185	+ 46
335	Aberdeen	57 10	W 2 6	26·8	1009·9	1013·2	+ 3·6	283·0	286·9	15th	279·0	271·3	23rd	281·0	280·9	+2·1	42	— 35
336	Greenwich	51 28	0 0	46·3	1013·7	1019·1	+ 5·4	283·3	288·0	15th	275·7	268·0	22nd	279·5	279·4	—0·2	20	— 40
337	Uccle	50 48	E 4 22	100	1008·7	1021·2	+ 6·3	282·2	288·0	15th	273·2	266·9	22nd	277·7	277·1	—1·2	30	— 45
338	De Bilt	52 6	5 11	3·0	1021·3	1021·7	+ 7·1	281·0	287·5	16th	271·6	265·8	22nd	276·3	276·1	—1·6	14	— 45
338*a*	Hamburg	53 33	9 58	26·0	1020·7	1024·1	+ 9·3	277·8	286·2	15th	272·0	268·1	27th	274·9	*275·1*	—2·3	10	— 39
339	Copenhagen	55 41	12 36	5·0	1023·5	1024·1	+10·8	279·0	285·0	15th	275·9	273·7	22nd	277·5	*277·7*	0·0	9	— 29
340	Potsdam	52 23	13 4	84·9	1015·1	1025·9	+10·4	277·2	287·2	16th	270·2	263·3	28th	273·7	273·3	—3·1	11	— 29
340*a*	Uppsala	59 51	17 38	24	1018·0	1021·0	+ 8·3	277·6	284·9	10th	272·1	266·3	3rd	274·8	275·1	+2·2	16	— 25
341	Warsaw	52 13	21 1	133	1012·8	1020·8	+12·7	275·9	283·5	16th	270·4	262·7	1st	273·2	273·3	—1·5	2	— 23
342	Dorpat (Jurjev)	58 23	26 43	74·5	1015·6	1025·1	+12·1	275·9	282·6	16th	271·8	265·1	6th	273·9	274·0	+1·6	18	— 33
343	Petrograd	59 56	30 16	4·8	1021·8	1022·4	+ 8·2	275·3	282·3	16th	271·7	264·4	6th	273·5	*273·6*	+2·0	25	— 33
344	Kiev	50 27	30 30	183	1000·0	1032·6	+13·6	272·0	284·0	11th	268·3	256·2	1st	270·6	*270·5*	—3·5	4	— 33
344*a*	Moscow	55 50	37 33	167	1005·5	1027·0	+ 9·4	272·4	280·1	17th	266·9	250·1	2nd	269·6	*269·8*	—0·8	10	— 20
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1013·9	1024·3	+ 4·9	268·6	277·0	12th	263·1	248·2	29th	265·8	*266·2*	—2·9	10	— 24
347	Orenburg	51 45	55 6	109	1011·4	1025·7	+ 2·2	266·6	274·7	18th	261·9	237·3	30th	264·2	*264·3*	—4·4	10	— 8
348	Perm	58 1	56 16	159	999·1	1019·9	+ 1·1	..	274·8	12th	260·0	238·4	29th	..	*263·3*	—2·9	44	— 9
349	Ekaterinburg	56 50	60 38	281	982·7	1019·2	— 1·4	265·7	275·5	12th	259·7	241·2	30th	262·7	*262·5*	—3·1	10	— 3
350	Tobolsk	58 12	68 14	?108	1003·5	1017·8	— 0·4	..	275·9	18th	256·1	235·4	30th	..	*259·3*	—3·7	24	— 0
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	1003·5	1024·7	— 3·5	..	273·4	14th	260·6	242·9	29th	..	*264·3*	—0·2	94	+ 67
354	Tomsk	56 30	84 58	122	1003·9	1020·1	— 4·2	..	273·6	18th	256·8	236·6	30th	..	*261·2*	—0·6	51	+ 0
355	Minousinsk	53 43	91 41	249	992·0	1024·1	— 4·8	..	273·6	19th	261·6	246·6	3rd	..	*265·5*	..	8	— 3
356	Eniseisk	58 27	92 10	77·6	1009·1	1019·5	— 4·4	..	274·2	19th	253·5	229·1	30th	..	*258·4*	—1·9	24	— 7
357	Irkutsk	52 16	104 19	467	963·9	1023·9	— 4·7	..	274·7	12th	257·6	247·6	4th	..	*262·9*	+0·6	6	— 10
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	674	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	970·8	1021·6	..	260·3	267·5	16th	245·4	239·3	6th, 26th	252·8	*252·9*	..	15	+ 21
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	1001·6	1020·4	+ 0·1	264·9	271·8	1st	254·2	243·8	28th	259·6	*259·2*	—2·0	26	
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1003·4	1005·1	+ 0·3	..	..	..	266·7	260·2	29th	..	..	..	51	..
369																		
371	Attu Island	52 56	173 13	4·9	..	1003·4	— 1·3	277·2	283·6	5th, 6th	270·6	266·3	28th	273·9	..	..	258	
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

NOVEMBER—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1007·4	1016·0	+ 0·5	283·0	287·4	18th	278·6	274·7	10th	280·8	280·5	+1·2	79	— 85
412	Portland, Oregon	45 32	122 41	46·6	1012·8	1018·3	— 0·3	284·5	289·1	17th	277·9	274·1	5th	281·2	*280·7*	+0·1	148	— 18
413	Macleod	49 44	113 24	953	..	..	..	278·7	287·4	22nd	268·1	249·7	12th	273·4	*273·3*	+1·6	5	— 9
414	Helena	46 34	112 4	1253	876·7	1023·3	+ 3·3	276·7	285·8	18th	268·1	251·3	12th	272·4	*272·2*	—0·8	9	— 9
414*a*	Salt Lake City	40 46	111 54	1329	871·2	1021·7	+ 1·5	281·5	291·3	18th	273·8	268·0	29th	277·7	*277·7*	+0·1	48	+ 13
415	Cheyenne	41 8	104 48	1856	814·5	1022·7	+ 3·9	277·8	289·7	19th	267·9	254·7	12th	272·9	*273·1*	—1·5	6	— 5
416	North Platte	41 8	100 45	859	921·2	1023·7	+ 4·6	281·0	295·2	19th	267·9	257·4	15th	274·4	*273·9*	—0·8	1	— 9
416*a*	Bismarck	46 47	100 38	511	959·8	1022·7	+ 4·0	277·1	289·1	3rd	266·3	255·2	13th	271·7	*272·2*	+2·5	10	— 5
417	Winnipeg	49 53	97 7	232	990·2	1019·7	+ 3·0	273·6	281·3	5th	265·2	255·2	9th	269·4	*269·3*	+2·6	38	+ 14
418	Duluth	46 47	92 6	345	977·5	1020·3	+ 3·2	273·9	281·9	19th	268·1	258·0	11th	271·0	*270·8*	—1·4	36	+ 4
419	Port Arthur	48 27	89 12	196	995·0	1019·8	+ 4·0	274·1	278·6	3rd, 4th	267·4	254·7	11th	270·8	*270·7*	+0·9	14	— 23
420	Chicago	41 53	87 37	251	989·5	1020·3	+ 2·4	280·8	290·8	20th	274·3	264·1	12th	277·6	*277·7*	+0·3	23	— 37
421	Toronto	43 40	79 24	116	1005·1	1019·7	+ 2·9	278·6	289·7	9th	272·4	266·3	12th, 13th	275·5	*275·2*	+0·1	97	+ 22
422	New York (Central Park)	40 47	73 58	47·4	1013·7	1019·6	— 0·3	283·3	293·6	1st	270·4	269·1	13th	279·8	*279·4*	—0·3	105	+ 25
423	St. John, N.B.	45 17	66 4	36·2	1013·7	1018·3	+ 4·4	277·4	286·9	3rd	270·2	263·0	29th	273·8	*273·7*	—1·8	90	— 22
424	S.W. Point, Anticosti	49 24	63 35	9·1	1014·1	1015·3	+ 4·1	273·6	281·9	3rd	268·6	263·0	22nd	271·1	*271·1*	—1·1	86	+ 15
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1016·2	1017·1	+ 2·7	280·8	286·9	3, 4, 10	276·3	272·4	21st	278·6	*278·6*	—1·3	84	— 60
425	Port aux Basques	47 35	59 10	9·1	1014·1	1015·3	+ 3·1	275·8	283·6	3rd	270·8	263·6	23rd	273·3	*273·1*	—1·7	58	— 57
426	St. John's, Newfoundland	47 34	52 42	38·1	1006·8	1011·6	+ 0·5	275·8	286·3	10th	270·2	263·6	29th	273·0	*273·1*	—3·1	129	— 16
435	Madrid	40 24	3 41	667	941·4	1019·1	+ 0·5	284·8	288·7	6th	278·2	273·2	29th	281·5	*281·1*	+0·1	64	+ 1
436	Nantes	47 15	W 1 34	36·5	1014·4	1018·9	+ 2·9	282·8	288·0	15th	277·0	271·1	23rd	279·9	279·8	—0·7	50	— 30
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1015·2	1021·5	+ 5·1	281·1	288·1	15th, 27th	273·4	268·2	10th, 23rd	277·3	276·9	—1·9	27	— 22
438	Marseille	43 18	5 23	75	..	1018·0	+ 3·2	288·3	293·0	5th	280·2	274·8	30th	284·3	*283·9*	+1·0	190	+ 97
438*a*	Zürich	47 23	8 33	493	963·6	1024·0	+ 5·0	279·6	290·2	16th	273·5	268·5	23rd	276·5	275·1	—1·5	7	— 62
439	Rome	41 54	12 27	45·5	1014·3	1019·8	+ 3·7	288·8	293·5	3rd	280·8	275·6	22nd	284·8	*284·7*	+0·1	43	— 73
440	Vienna	48 15	16 22	203	1003·0	1028·7	+10·5	274·9	279·6	5th	270·8	267·1	22nd, 23rd	272·9	272·9	—3·6	3	— 38
440*a*	Budapest	47 31	19 2	130	1012·7	1029·1	+10·2	276·5	283·1	9th	270·7	264·1	2nd	273·6	*273·3*	—3·7	12	— 39
441	Sofia	42 42	23 20	550	961·6	1029·8	+11·3	276·5	283·8	18th	269·2	264·3	25th	272·9	*272·6*	—4·5	15	— 36
442	Bucharest	44 25	26 5	82	1020·2	1030·7	+11·1	276·5	287·8	11th	269·1	260·1	1st	272·8	272·5	—4·8	37	— 8
443	Odessa (University)	46 26	30 46	42·8	1025·8	1031·3	+11·0	274·8	283·7	12th	269·5	258·4	1st	272·2	*272·1*	—5·6	2	— 32
444	Kharkov (University)	50 0	36 14	140	1014·0	1032·1	+10·9	270·6	278·0	17th	265·6	254·3	3rd	268·1	*268·1*	—5·3	5	— 33
444*a*	Novorossiisk	44 44	37 49	37·1	1022·3	1027·0	+ 7·1	277·2	287·3	16th	270·2	263·0	3rd	273·7	*273·5*	—8·0	6	— 63
445	Tiflis	41 43	44 48	404	977·0	1026·8	+ 3·7	280·1	284·4	14th	272·9	268·7	22nd	276·5	*275·9*	—4·6	53	+ 21
446	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Aralskoe More	46 47	61 42	56	..	..	..	..	276·0	17th	262·2	241·3	30th	..	*265·8*	—2·4	16	..
450	Tachkent	41 20	69 18	478	967·1	1025·6	— 0·3	282·3	301·7	3rd	273·0	261·6	30th	277·6	*276·7*	—2·9	80	+ 46
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	841	..	..	..	276·8	292·0	1st	268·3	259·6	30th	272·6	*272·0*	..	92	..
461	Moukden	41 48	123 23	43·8	1017·6	1023·2	— 1·6	279·0	298·5	2nd	267·8	257·1	5th	273·4	273·0	+1·6	31	+ 8
462	Joshin	40 40	129 11	31·9	1016·4	1020·4	— 0·1	283·1	294·6	2nd	275·1	268·8	22nd	279·1	278·9	+0·1	80	+ 30
463	Yuki	42 20	130 24	65·6	1012·5	1020·8	— 0·4	279·6	288·9	2nd	271·2	261·7	5th	275·4	275·0	+1·4	21	— 10
464	Vladivostok	43 7	131 55	128	1004·7	1021·0	+ 0·3	276·3	286·9	3rd	269·4	261·7	5th	272·8	272·5	+0·3	20	— 9
465	Ochiai	47 20	142 46	6·6	1013·6	1014·5	+ 1·1	274·8	289·6	3rd	265·6	256·8	25th	270·2	270·8	0·0	79	0
466	Nemuro	43 20	145 35	26·7	1012·9	1015·3	+ 0·6	281·4	290·3	4th	274·6	268·7	7th	278·0	278·2	+0·8	84	+ 4
466*a*	Syana	45 14	147 53	39·3	1008·8	1013·7	+ 0·3	279·7	289·2	4th	272·8	266·2	25th	276·3	276·4	+0·5	111	— 7
		N.	E.															

Between Latitude 40° N. and 30° N.

NOVEMBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1013·5	1019·3	+ 0·3	288·8	293·6	3rd	283·2	280·2	6th	286·0	*285·7*	—0·4	69	+ 9
512	San Luis Obispo	35 18	120 39	61·3	1012·1	1019·6	+ 1·2	292·7	299·7	3rd	280·3	?274·1	1st	286·5	*285·5*	—0·9	42	+ 1
513	San Diego	32 43	117 10	26·5	1015·1	1018·3	+ 2·0	291·7	296·3	29th	283·4	280·8	1st	287·6	*287·3*	—0·7	5	— 15
514	Modena	37 48	113 54	1670	835·7	1020·3	+ 1·3	282·4	289·1	17th	268·1	260·8	3rd	275·3	*274·4*	—1·0	3	— 10
515	Santa Fé	35 41	105 57	2138	788·5	1020·3	+ 2·5	281·8	290·8	19th	270·6	263·0	29th	276·2	*275·6*	—0·8	4	— 15
516	Denver	39 45	105 0	1613	839·8	1022·3	+ 4·2	281·2	294·1	19th	270·0	260·8	12th	275·6	*276·2*	—0·7	2	— 12
517	Abilene	32 23	99 40	530	959·9	1022·3	+ 3·6	288·2	296·9	20th	277·1	265·8	16th	282·7	*282·2*	—2·2	49	+ 14
518	Saint Louis	38 38	90 12	173	1000·5	1021·7	+ 2·3	283·7	295·2	20th	275·3	265·8	12th	279·5	*279·4*	+0·1	14	— 55
519	Mobile	30 41	88 2	17·4	1019·0	1021·0	+ 1·2	292·1	299·7	7th	280·7	272·4	17th	286·4	*285·8*	—1·4	43	— 50
520	Nashville	36 10	86 47	166	1002·6	1022·7	+ 2·2	286·1	296·3	7th	276·2	266·9	13th	281·2	*281·3*	—1·0	66	— 23
521	Charleston	32 47	79 56	14·6	1018·6	1020·3	+ 0·1	291·7	299·7	10th	282·5	275·2	14th	287·1	*287·3*	—0·2	78	+ 14
522	Washington	38 54	77 3	34·1	1016·4	1020·6	+ 1·1	284·7	295·8	1st	276·8	265·8	14th	280·7	*280·5*	+0·3	115	+ 52
524	Bermuda	32 17	64 46	46·0	1014·2	1019·6	+ 2·1	297·4	300·8	11th	291·3	287·4	27th	294·4	*294·3*	+0·9	97	— 27
530	Santa Cruz (Flores)	39 27	31 9	28	1017·0	1020·1	0·0	292·2	295·1	2nd	286·2	280·2	24th	289·2	*289·4*	—0·7	180	+ 11
531	Horta	38 32	28 38	65	1013·2	1020·4	+ 0·2	291·3	294·1	8th	286·5	281·2	24th	288·9	289·4	—0·7	125	+ 4
532	Ponta Delgada	37 44	25 40	22	1019·2	1021·1	+ 1·4	290·9	293·1	9th	287·1	282·8	23rd	289·0	289·7	0·0	..	..
532*a*	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	129	— 16
533	Madeira (Funchal)	32 37	16 54	25	‡1017·9	‡1020·9	+ 2·0	294·4	297·0	2nd	288·6	286·6	25th	291·5	*291·6*	+0·6	61	— 58
536	Lisbon	38 43	9 9	95	1007·3	1018·7	+ 0·8	289·7	292·2	7th	284·5	280·6	29th	287·1	*287·0*	+0·4	82	— 29
536*a*	Gibraltar	36 6	5 21	16·2	1016·7	1018·6	+ 0·5	291·1	293·4	4th	285·8	281·3	30th	288·4	*288·6*	—0·4	251	+ 89
536*b*	Melilla	35 18	2 59	8	1018·1	1019·1	— 0·5	292·8	296·0	25th	284·8	280·8	30th	288·8	*289·2*	—3·4	65	+ 16
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

NOVEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1014·2	1017·0	+ 0·6	289·4	292·2	5th	282·6	278·4	30th	286·0	..	—2·0	99	+ 44
538	Algiers (Bouzaréah)	36 48	3 2	343	976·8	1017·2	+ 0·2	288·4	291·8	6th	283·8	279·7	3rd	286·1	285·9	—0·9	177	+ 73
539	Tunis	36 48	10 10	21	1016·5	1019·0	..	292·4	297·2	7th	285·2	280·6	21st, 22nd	288·8	*288·3*	+0·4	137	+ 83
539*a*	Malta	35 54	14 31	56·4	..	1017·1	+ 0·5	290·1	296·3	3rd	287·8	283·7	21st	288·9	*288·1*	—1·8	219	+ 128
540	Riposto	37 41	15 14	14·2	..	1019·1	+ 2·1	290·4	294·0	3rd	283·6	280·8	21st	287·0	*286·8*	—1·8	592	+ 473
541	Athens	37 58	23 43	107	1010·5	1023·6	+ 6·7	285·7	291·1	17th	270·6	276·2	27th	282·7	282·4	—4·6	54	— 17
542	Alexandria	31 12	29 53	32·0	1015·0	1018·7	+ 1·4	296·6	301·3	5th	?290·6	?286·2	29th	?293·6	*?292·5*	—0·3	0	— 29
543	Cairo (Helwan)	29 52	31 20	116	1004·2	1017·9	+ 1·0	296·3	306·8	5th	286·6	281·0	30th	291·5	291·2	—1·1	0	— 2
544	Nicosia (P.W.D.)	35 9	33 22	159	999·2	1018·3	+ 1·9	292·2	299·1	2nd	280·6	274·7	28th	286·4	..	—2·0	15	— 40
544*a*	Beirut	33 54	35 28	33·7	..	1017·1	..	293·3	302·3	2nd	287·9	282·1	29th	290·6	*290·5*	—1·6	103	+ 32
545	Baghdad	33 21	44 28	38·1	..	1017·4	— 1·0	294·6	302·4	7th	281·9	269·1	30th	288·3	*286·9*	—1·8	10	+120
546	Lenkoran	38 46	48 52	— 20	1028·7	1026·3	+ 4·5	..	..	..	277·4	271·2	28th, 29th	..	*278·9*	—5·1	274	+ 22
547	Tehran	35 41	51 25	1220	..	..	..	286·2	296·1	3rd	277·6	270·2	29th	281·9	*281·6*	—2·6	40	+ 19
548	Meshed	36 16	59 35	946	..	..	..	284·7	301·7	1st	272·6	264·7	29th	278·7	..	—1·1	35	..
549	Seistan	31 0	61 30	?	..	..	..	?295·4	?306·4	1st	?277·7	?269·3	19th	?286·6	..	..	0	..
550	Quetta	30 11	67 3	1677	836·8	..	— 0·9	293·4	299·3	2nd	272·9	266·8	18th	283·2	*282·9*	+0·5	0	— 8
551	Peshawar	34 2	71 37	339	977·1	1017·5	— 1·6	299·6	303·8	1st	282·1	275·8	26th	290·8	*289·7*	+1·3	0	— 2
551*a*	Lahore	31 34	74 20	214	989·9	1015·3	— 1·5	302·7	306·7	1st	284·3	278·4	25th	293·5	*292·3*	+2·0	0	— 14
552	Simla	31 7	77 8	2205	784·1	..	+ 0·3	287·2	289·9	4, 5, 6	281·1	277·6	23rd	284·2	*283·9*	+0·8	0	— 1
552*a*	Leh	34 10	77 42	3503	669·0	..	— 0·3	283·5	288·2	4th	267·3	263·2	23rd	275·4	*274·3*	+1·2	0	..
559	Hankow	30 35	114 17	37·0	1018·1	1022·6	— 3·0	290·9	300·2	2nd	283·1	277·0	28th	287·0	*286·7*	+1·9	30	— 23
560	Tientsin	39 10	117 10	5·0	1022·7	1023·3	— 2·6	285·4	298·6	2nd	274·8	269·2	4th	280·1	*280·1*	+2·4	9	— 4
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1021·9	— 1·8	292·3	299·5	8th	283·0	275·0	21st	287·6	286·6	+2·5	25	— 28
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1013·9	1022·2	— 0·5	286·0	294·1	3rd	276·9	271·3	22nd	281·4	280·9	+1·6	41	— 1
562*a*	Nagasaki	32 44	129 52	133	1004·0	1019·9	— 0·9	291·1	298·2	3rd	284·5	279·8	14th, 28th	287·8	287·4	+1·6	87	— 18
563	Kyoto	35 1	135 44	42·9	1014·7	1019·9	+ 0·9	290·7	298·3	3rd	279·2	272·3	29th	284·9	284·2	+1·9	59	— 38
564	Tokyo	35 41	139 45	21·3	1015·6	1018·2	— 0·1	290·0	296·4	5th	280·9	275·0	29th	285·4	285·0	+1·6	66	+ 24
565	Kanayama	37 53	140 46	24·6	1015·3	1018·3	— 0·1	288·0	296·0	2nd	276·6	269·9	23rd	282·3	281·9	+1·3	84	+155
566	Miyako	39 38	141 59	30·4	1013·5	1017·2	+ 0·5	287·9	299·5	4th	276·1	270·0	23rd	282·0	281·5	+1·4	224	..

NOVEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1021·0	+ 2·1	298·9	300·8	3rd	292·2	287·4	14th	295·6	*295·1*	..	65	..
605	Honolulu	21 19	157 52	11·6	1016·1	1017·4	+ 0·7	299·3	301·9	..	293·8	291·3	..	296·6	*296·4*	0·0	90	— 17
614	La Paz	24 10	110 20	12	1011·7	1013·0	..	301·9	304·6	23rd	288·9	281·6	29th	295·4	..	..	0	..
615	Chihuahua	28 38	106 4	1423	862·5	1020·0	..	292·5	298·5	5th	278·2	268·7	29th, 30th	285·3	*284·9*	..	12	..
616	Leon	21 7	101 41	1809	822·4	1012·2	+ 0·3	296·8	301·2	4th	282·7	276·8	16th	289·7	..	+0·9	0	— 6
616*a*	Monterry	25 40	100 18	528	957·9	1018·7	..	295·3	306·0	1st	285·2	272·0	16th	290·2	*289·6*	..	32	— 9
617	Tulancingo	20 5	98 22	2180	794·0	..	..	..	296·0	..	..	275·0	..	..	285·9	—0·1	12	— 9
618	Galveston	29 18	94 50	16·5	1020·3	1022·3	+ 3·0	290·7	298·0	10th	285·4	274·7	16th	288·1	*288·2*	—2·0	92	..
618*a*	New Orleans	29 57	90 4	16·2	..	1021·7	+ 2·2	291·9	299·1	8th	283·3	275·2	13th	287·6	*286·9*	—2·0	77	..
619	Merida, Yuc.	20 58	89 38	22	1005·2	1007·6	..	297·9	303·8	2nd	291·3	290·6	26th	294·6	*294·1*	..	65	+ 9
620	Havana	23 8	82 21	24·3	..	1016·6	+ 0·6	299·5	302·8	10th, 11th	295·0	291·5	25th	297·3	297·1	+0·5	107	— 10
620*a*	Key West	24 33	81 48	6·7	1016·4	1016·9	0·0	298·9	302·4	11th	294·3	291·3	25th	296·6	*296·2*	—0·3	50	— 10
621	Nassau, Bahamas	25 5	77 21	7·3	..	‡1016·7	0·0	298·8	..	..	293·3	..	..	296·1	*296·0*	—1·3	54	..
622	Watling Island	24 6	74 26	33·5	1012·7	1016·5	+ 1·4	..	303·0	4, 20, 24	..	296·9	3rd	..	*299·8*	..	..	..
633	Izaña	28 19	16 30	2367	768·8	..	..	282·0	286·7	30th	275·4	272·1	19th	278·7	*278·7*	..	32	— 0
634	La Laguna	28 28	W16 20	547	956·9	1020·6	+ 3·0	291·3	293·7	16th	284·9	279·5	30th	288·1	*287·6*	—0·5	87	..
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	— 23	..	..	..	298·2	307·0	1st	284·2	279·6	30th	291·2	..	..	0	..
642																		
643	Aswan	24 2	32 53	99·6	1003·2	1014·8	+ 0·5	303·1	310·6	3rd, 5th	288·1	283·5	28th, 30th	295·6	*294·6*	—0·5	..	..
644	Tor	28 14	33 37	1·9	1015·5	1015·6	+ 0·6	298·2	304·0	3rd	285·7	282·1	29th	292·0	*291·7*	—1·1	0	— 33
647	Bushire	28 59	50 53	4·3	1014·7	1015·3	— 1·2	298·8	305·2	13th	289·7	278·7	30th	294·3	*294·0*	+0·1	8	— 3
648	Jask	25 44	57 47	4·0	1014·5	1015·0	— 1·7	302·9	307·6	1st	291·2	287·6	25th	297·1	*296·8*	—0·5	0	— 1
649	Karachi	24 53	66 57	4·0	1014·3	1014·7	— 1·2	303·6	308·9	4th	293·4	291·3	27th	298·5	*298·2*	+1·3	0	— 4
650	Jacobabad	28 17	68 29	56·7	1008·5	1015·1	— 1·1	302·4	308·4	1st	285·4	280·0	25th	293·9	*293·2*	?—0·1	0	— 4
651	Jaipur	26 56	75 52	436	966·6	1016·4	— 0·6	304·4	307·8	1st	286·3	280·9	27th	295·4	*294·4*	+0·9	0	— 1
652	Nagpur	21 8	79 5	310	979·9	1015·3	— 0·6	304·6	306·1	1st	287·8	282·9	30th	296·2	*295·9*	+0·7	0	— 3
653	Allahabad	25 25	81 51	94·1	1004·9	1015·9	— 0·2	303·7	306·8	1st	286·7	281·5	30th	295·2	*294·3*	+1·4	0	— 10
653*a*	Darjeeling	27 3	88 18	2266	778·3	..	— 0·7	287·2	292·1	6th	279·8	277·2	23, 24, 27	283·5	*283·2*	+1·1	1	..
654	Calcutta	22 36	88 23	6·4	1013·2	1013·9	— 1·2	301·8	304·1	4th	291·5	286·1	28th	296·7	*296·3*	+0·8	..	— 10
655	Gauhati	26 8	91 41	59·7	1008·8	1015·8	— 0·7	301·3	305·1	1st	288·7	286·2	29th	295·0	*294·3*	+0·3	0	— 10
655*m*	Cherrapunji	25 15	91 42	1314	870·9	..	— 0·4	293·9	297·3	7th	285·8	283·1	23rd	289·8	*289·1*	+0·8	0	— 104
655*a*	Akyab	20 11	92 56	6·1	1011·3	1011·9	— 1·7	301·8	304·0	9th	293·0	288·0	30th	297·4	*297·0*	—1·1	11	— 31
656	Mandalay	21 59	96 0	76·2	1005·6	1014·4	— 0·3	305·4	308·3	6th	291·5	288·4	29th	298·4	*297·8*	+0·2	0	— 22
656*a*	Tengyueh	24 59	98 35	1633	834·8	1011·8	..	293·7	297·4	4th	276·7	273·0	24th	285·2	*284·1*	..	116	+ 55
657	Phu Lien	20 48	106 38	116	1001·7	1015·2	— 2·1	298·9	303·7	10th	292·3	288·2	29th	295·6	294·9	+0·8	108	+ 31
658	Moncay	21 31	107 51	9·0	1014·8	1015·8	— 2·0	299·0	304·0	4th	290·9	286·9	21st	294·9	*295·3*	+0·9	179	+ 31
659	Hongkong	22 18	114 10	33·2	..	1015·9	— 1·7	296·9	301·4	4th	292·7	288·8	26th	294·8	294·6	+0·9	64	..
660	Amoy	24 27	118 4	ca.3	1018·1	1018·4	— 1·1	296·6	301·3	10th	291·7	288·6	22, 26, 27	294·1	*293·7*	+0·3	..	+ 2
661	Taihoku, Formosa	25 2	121 31	9·3	1016·3	1017·4	— 1·2	298·5	305·9	9th	291·1	288·5	21st	294·8	294·1	+1·4	80	— 142
661*a*	Basco	20 28	121 59	18·7	1009·6	1012·0	— 0·7	301·8	?304·1	23rd	295·6	292·4	1st	298·7	*298·3*	+0·7	214	+ 72
662	Naha	26 13	127 41	10·5	1015·9	1017·2	— 0·3	297·8	304·2	4th	291·7	286·6	27th	294·7	294·3	+0·4	210	— 90
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1016·4	1016·9	+ 0·8	299·6	302·4	4th	294·3	287·7	29th	296·9	296·7	+0·9	61	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

NOVEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	956·7	1011·9	..	303·4	306·0	8th	295·3	292·1	19th	299·3	*298·5*	..	3	..
716	Morelia	19 42	101 7	1923	810·5	1010·8	..	293·7	295·8	9th	285·5	281·8	29th	289·6	*289·5*	..	8	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·3	1014·8	+ 0·6	294·3	298·5	4th	280·1	276·9	24th	287·2	286·6	+0·2	4	— 11
718	Salina Cruz	16 12	95 12	56	1006·5	1013·1	..	303·3	306·5	11th	296·4	292·4	16th	299·8	*299·3*	..	0	..
719	San Salvador	13 42	89 13	682	935·8	1011·5	+ 0·2	303·5	307·6	26th	289·6	285·8	8th	296·5	*295·3*	—0·1	33	— 2
720	Belize	17 29	88 12	5·2	1014·5	1015·2	+ 2·4	299·1	302·4	27th	293·6	288·0	17th	296·3	*295·9*	—2·1	494	+192
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·5	+ 0·6	304·2	307·2	10th	294·9	293·4	5th	299·5	*298·9*	+0·6	93	+ 11
722	Port au Prince	18 34	72 22	37·4	1009·5	1013·8	+ 0·9	305·2	307·7	10th	294·8	292·8	30th	300·0	*298·9*	+0·5	126	+ 48
723	Caracas	10 30	66 55	1042	899·2	1015·1	+ 1·6	298·1	300·1	24th	287·9	284·0	20th	293·0	*292·1*	—0·6	79	— 5
724	Montserrat	16 41	62 9	39·6	1009·1	1013·6	+ 0·3	302·8	305·2	3rd, 15th	295·7	293·6	1st	299·3	*298·8*	..	185	..
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡994·0	‡1011·0	+ 1·0	301·6	305·2	27th	296·7	295·8	sev. dates	299·1	*298·5*	—0·2	292	+ 79
725	Barbados	13 8	59 36	55·2	..	1012·8	+ 0·6	302·9	302·7	4th, 10th	296·1	294·1	2nd	299·5	*298·1*	+0·6	117	— 48
731	São Vicente, C. Verde Is.	16 54	25 4	11	1012·9	1014·2	+ 0·5	299·1	300·0	3rd	..	..	..	..	*297·4*	—0·2	1	— 7
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1010·7	1015·3	+ 1·3	300·2	302·8	6th	296·0	294·0	20th	298·1	*298·2*	—0·3	0	— 12
734	Bathurst	13 27	16 36	1·8	1013·4	1013·5	+ 1·5	303·7	305·2	1st, 2nd	293·2	290·2	17th, 18th	298·4	*298·6*	—0·8	0	— 5
735	M'Carthy Island	13 33	14 45	1·1	..	..	..	..	..	..	..	..	..	..	..	..	0	— 5
736	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
738	Sokoto	13 2	E 5 14	353	..	..	..	309·6	..	..	291·9	?288·0	30th	300·7	*300·2*	+0·8	0	0
739	Kaduna Capital	10 32	7 25	637	944·1	1015·6	+ 2·0	304·5	305·8	4, 18, 23	290·8	285·2	30th	297·7	*297·2*	+0·1	11	+ 8
740	Hadeija	12 40	10 5	?	..	..	..	311·7	315·2	5th	288·6	283·6	30th	300·1	*299·6*	+2·0	0	..
741	Maiduguri	11 47	13 11	361	..	..	..	309·3	312·4	3rd, 4th	290·9	286·3	30th	300·1	*299·6*	+0·5	0	0
	El Fasher	13 32	25 18	730	..	..	..	306·7	311·0	3rd	286·2	281·9	15th	296·4	*295·5*	..	0	..
743	El Obeid	13 11	30 14	569	..	..	..	307·6	311·5	7th	286·9	279·7	28th	297·2	*296·2*	—1·3	0	0
743*a*	Khartoum	15 37	32 33	390	966·3	1010·1	— 0·1	307·4	311·9	6th	293·4	287·4	28th	300·4	*300·5*	—0·3	0	0
744	Port Sudan	19 37	37 13	5·5	1012·3	1013·0	+ 0·4	302·9	306·0	9th	294·0	290·8	27th	299·9	*299·6*	—0·3	26	— 16
745	Berbera, Somaliland	10 22	45 2	9·5	1012·5	1013·5	— 1·3	305·9	308·6	9th	294·0	290·8	27th	299·9	*300·6*	+1·4	47	+ 42
746	Aden	12 45	45 3	28·7	1010·5	1013·7	— 1·5	302·4	303·7	8, 17, 18	296·1	294·7	23rd	299·2	*298·6*	—0·4	0	— 2
751	Bombay	18 54	72 49	11·3	1010·8	1012·1	— 2·0	305·1	307·0	27th	296·7	294·5	30th	300·9	*300·4*	+1·1	0	— 11
751*a*	Cochin	10 58	76 21	2·7	1010·6	1010·9	— 1·4	302·7	304·8	12th	296·9	295·7	28th	299·8	*299·4*	—0·4	197	+ 40
752	Kodaikanal	10 14	77 28	2343	770·8	..	— 1·0	288·2	292·1	8th	283·6	282·5	20th	285·9	*285·9*	+1·1	394	+207
752*a*	Bangalore	12 59	77 38	920	911·1	1012·0	— 1·1	299·4	302·5	11th	290·7	287·7	29th	295·1	*294·4*	+0·6	69	+ 2
753	Madras	13 4	80 14	6·7	1010·9	1011·6	— 1·6	302·2	306·6	10th	296·4	293·7	30th	299·3	*298·8*	+0·3	775	+437
754	Vizagapatam	17 42	83 19	11·6	1011·5	1012·8	— 1·4	302·7	305·5	4th	296·5	290·9	29th	299·6	*299·2*	+0·8	89	+ 5
755	Port Blair	11 40	92 40	17·7	1008·3	1010·3	— 1·6	302·6	304·1	21st	298·0	296·3	25th	300·3	*299·9*	—0·4	263	+ 23
756	Rangoon	16 46	96 35	48	5·5	1011·9	1012·6	— 0·9	304·1	306·3	25th	295·9	294·2	18th	300·0	*299·1*	+0·3	94	+ 24
757	Saigon	10 47	106 42	11·2	..	..	..	304·5	306·3	24th	296·6	295·1	6th, 15th	300·5	*300·0*	+1·0	54	— 69
757*a*	Cap St. Jacques	10 20	107 5	180	988·6	1009·2	— 0·3	..	..	..	..	..	..	..	..	..	..	..
758	Nhatrang	12 15	109 12	3·6	1009·5	1009·9	— 2·0	302·0	304·7	4th	295·8	293·5	6th	298·9	*298·5*	+0·2	298	— 80
759	Bolinao	16 24	119 53	7·1	1006·7	1007·6	— 1·4	304·8	306·7	5th	296·4	294·4	24th	300·6	*300·0*	0·0	..	..
761	Vigan	17 34	120 23	12·2	..	1009·1	— 1·1	304·0	305·1	3, 5, 16	296·4	294·9	1st	300·2	300·3	+0·5	46	+ 9
761*a*	Manila	14 35	120 59	14·2	..	1009·6	— 0·2	304·0	306·2	22nd	295·1	293·4	1st	299·5	298·6	—0·2	124	— 9
765	Ormoc	11 0	124 36	5·6	1006·8	1007·5	— 0·5	304·8	306·9	18th	295·6	293·9	28th, 29th	300·2	*299·0*	+0·3	279	+ 77
	Guam, Ladrone Is.	13 24	144 38	20·4	1005·2	1007·9	— 0·1	303·1	304·7	16th	298·4	295·4	16th	300·7	*300·4*	+0·4	92	— 92
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 10° N. and 0°.

NOVEMBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
765	Fanning Island	3 55	159 23	3·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
766	Colon	9 23	79 23	11·0	..	1010·6	+ 0·1	303·3	305·8	10th	297·2	295·2	7th	300·2	*299·8*	+0·9	540	— 2
767	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	38	— 76
768	Merida, Venez.	8 36	71 9	1641	‡841·3	..	..	297·5	299·0	26th, 29th	287·9	286·0	15th, 21st	292·7	*291·9*	..	53	..
769	El Peru, Guayanavieja	7 19	61 49	220	985·0	1009·9	..	302·8	305·1	12th	294·2	293·0	10th	298·5	*297·9*	+0·1	201	+111
770	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·0	+ 0·8	303·7	304·9	11th, 13th	297·6	295·2	18th	300·7	*300·1*	+1·7	97	— 49
771	Paramaribo	5 49	55 9	3·7	‡1013·0	‡1013·4	+ 1·8	304·3	306·6	3rd	295·6	293·8	25th	299·9	*298·6*	+0·8	0	— 1
772	Cayenne	4 56	52 21	6	..	..	..	305·0	306·6	12th	294·4	293·0	1, 16, 19	299·7	*298·8*	—0·9	16	—101
773	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
774	Freetown, Sierra Leone	8 29	13 9	68·3	1005·0	1012·8	+ 1·9	304·2	305·8	2nd, 19th	..	..	..	..	‡*299·9*	—0·9	57	— 73
775	Cape Coast	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	122	+ 62
776	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	..	..	..	..	‡*300·1*	—0·7	45	+ 7
777	Lagos	6 27	E 3 24	4·6	1012·1	1012·6	+ 0·3	303·3	304·9	..	296·8	294·1	..	300·1	*299·7*	—0·3	71	+ 5
778	Zungeru	9 48	6 10	130	..	..	..	307·1	308·6	15, 24, 25	293·3	288·0	29th	300·2	*299·7*	+0·7	6	+ 2
779	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
781	Yola	9 12	12 30	259	..	..	..	307·9	310·2	25th	..	..	..	..	‡*299·2*	—1·1	15	+ 13
	Wau	7 42	28 3	440	..	..	..	..	..	..	..	..	..	..	‡*297·2*	..	26	+ 9
783	Malakal (Kodok)	9 35	31 37	394	964·7	1008·7	— 0·2	308·4	310·6	20th	..	..	..	..	‡*298·2*	..	2	— 6
783*a*	Mongalla	5 11	31 47	439	959·6	1008·3	+ 0·4	?308·4	?311·0	sev. dates	293·3	289·0	29th	?300·8	?*299·1*	0·0	44	— 2
784	Entebbe	0 5	32 29	1171	883·8	1010·2	+ 0·3	299·2	301·3	19th	290·3	288·7	25th	294·7	*293·6*	0·0	90	— 37
785	Minicoy	8 17	72 49	2·1	1012·5	1012·7	+ 0·5	..	..	..	..	..	..	..	..	..	359	+218
786	Colombo Observatory	6 54	79 53	7·3	..	1009·1	— 0·8	302·3	304·1	15th	296·4	294·9	29th	299·3	*298·9*	—0·2	368	+ 89
787	Nuwara Elija	6 59	80 47	1886	812·3	1010·4	..	292·6	296·3	3rd	284·9	281·7	12th	288·8	*288·2*	+0·8	344	+118
788	Trincomalee	8 34	81 14	30·2	..	1008·4	— 1·2	303·3	306·9	6th	296·7	295·2	26th

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1 S.	155 1 W.	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	306·1	308·6	26th	296·8	294·8	25th	301·4	*300·2*	—0·8	77	— 30
926	Taperinha	2 30	54 20	20·0	1008·1	1010·4	+ 0·6	304·5	305·8	8th, 26th	295·9	293·8	25th	300·2	*299·1*	—0·2	26	..
927	Turyassu	1 43	45 26	15·1	1009·0	1010·8	+ 0·6	305·9	308·0	7th	296·1	292·4	24th	301·0	*300·2*	+0·2	23	+ 12
928	Barra do Corda	5 30	45 16	81·0	1000·1	1009·4	+ 0·2	..	..	..	294·5	292·4	24th	..	*298·8*	—1·0	122	+ 38
929	Quixeramobim	5 16	39 15	207	988·5	1011·7	+ 1·1	306·5	307·8	18th, 19th	298·3	297·4	26th	302·4	*301·4*	—0·1	5	+ 2
930	Fernando Noronha	3 50	W32 25	106	1000·8	1012·6	+ 0·6	301·0	301·5	2nd, 3rd	297·0	294·9	11th	299·0	*298·6*	..	5	— 2
939	Loanda	8 49	E 13 13	59·3	..	1013·8	+ 2·5	299·7	302·0	30th	296·3	294·9	1st	298·0	297·8	+0·1	16	— 15
940	Brazzaville	4 17	15 16	320	975·7	1011·6	— 0·1	304·2	307·0	sev. dates	296·2	295·0	sev. dates	300·2	*299·6*	+1·3	74	—105
943	Masaka	0 21	31 47	‡1280	..	..	..	298·4	299·7	sev. dates	289·3	288·0	15, 16, 18	293·9	*292·9*	+0·3	126	+ 29
944	Nairobi	1 14	36 44	1800	..	..	..	298·6	301·9	16th	286·9	281·9	30th	292·7	*292·0*	+2·0	183	+160
944*a*	Zanzibar	6 10	39 11	21·9	1012·1	1014·5	— 0·2	302·8	304·2	27th	298·7	297·6	10th	300·8	*300·4*	+0·7	45	— 34
945	Lamu	2 16	40 50	3·1	..	..	..	303·0	304·1	19th	296·3	296	6, 21, 22	299·7	*299·2*	—0·6	9	..
947	Seychelles, Port Office	4 37	55 27	4·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	422	— 89
958	Batavia	6 11	106 50	8·0	1007·8	1008·7	— 1·0	303·5	305·4	8th	296·8	296·1	1st, 14th	300·1	299·6	+0·3	83	— 50
958*a*	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	611	+207
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	41	— 22
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	215	+ 14
962	Amboina	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	122	+ 11
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
965	Daru	9 4	143 13	7·6	..	1010·3	+ 0·2	300·6	..	..	..	..	..	..	..	..	29	— 68
966	Port Moresby	9 29	147 9	39·0	..	1010·1	+ 0·1	302·4	..	..	..	..	..	..	..	..	1	— 51
967																		
968	Rendova	8 30	157 12	1·8	1008·3	1008·4	0·0	..	..	..	..	..	..	..	..	..	123	—203
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·2	1009·5	+ 1·1	304·1	306·8	25th	297·2	295·6	8th, 12th	300·7	*300·5*	0·0	201	— 10
970	Ocean Island	0 52 S.	169 35 E.	54·0	1000·8	1007·0	— 1·0	304·7	306·3	22nd	298·1	295·2	11th, 12th	301·4	*300·6*	+0·3	5	—141

1002	Apia, Samoa	13 48 S.	171 46 W.	2	..	1010·6	+ 1·1	303·7	304·8	24th	295·7	293·4	19th	299·7	299·4	+0·5	488	+252
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·3	304·7	29th	293·6	290·2	1st	297·9	*297·7*	—0·2	72	— 55
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	760·9	..	+ 0·1	293·3	297·3	30th	282·4	279·5	20th	287·8	*287·9*	+0·4	1	0
1022	Puerto de Arica	18 28	70 20	5	..	..	..	294·8	295·4	sev. dates	288·8	288·0	sev. dates	291·8	..	+0·5	0	0
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	728·5	..	..	292·2	297·0	14th	281·4	278·0	7th, 8th	286·8	*286·6*	..	69	+ 5
1025	Corumba	18 59	57 39	116	995·6	1008·7	+ 0·4	304·2	309·0	29th	294·5	290·0	6th, 7th	299·4	*298·7*	—1·1	186	+ 35
1026	Cuyaba	15 36	56 6	165	990·1	1008·6	+ 0·3	306·0	308·5	28th	295·7	291·5	7th	300·8	*300·4*	—0·3	98	+ 75
1027	Bello Horizonte	19 55	43 57	895	913·1	1011·4	— 0·6	299·8	304·0	30th	291·5	287·6	1st	295·7	*294·6*	+0·2	288	+ 82
1028	Caetite	14 3	42 37	900	914·7	1012·9	+ 1·2	300·7	306·0	8th	291·2	289·2	1st, 16th	296·0	*296·2*	+0·1	145	+ 1
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·9	1012·3	0·0	301·7	303·3	23rd	295·5	294·4	14th	298·6	*298·2*	+0·1	59	— 21
1030	Aracaju	10 54	37 3	4·0	1013·0	1013·4	+ 0·2	302·1	302·7	22nd, 30th	297·6	295·8	2nd	299·9	*300·1*	+0·9	22	..
1035	St. Helena	15 57	W 5 40	‡579	947·3	1013·8	+ 2·0	295·6	298·1	29th	285·9	284·7	18th	290·7	*290·5*	+2·1	22	..
1039	Mossamedes	15 11	E 12 10	12·5	..	..	..	297·0	299·5	2nd, 25th	291·8	288·6	10th	294·4	*294·3*	..	3	— 78
1042	Gwelo	19 28	29 48	1417	861·9	1011·3	+ 0·7	304·6	310·2	25th, 26th	288·2	281·3	30th	296·4	..	+1·5	20	— 17
1043	Salisbury, Rhodesia	17 48	31 5	1457	855·5	1009·6	— 1·3	303·7	308·0	25th, 26th	287·3	284·1	3rd	295·5	*294·3*	+1·0	77	— 51
1044	Zomba	15 23	35 18	996	906·7	1014·9	— 1·0	302·9	307·4	27th	291·1	285·8	4th	297·0	*296·7*	—0·2	79	+ 19
1045	Antananarivo	18 55	47 32	1400	864·9	1015·4	+ 0·1	299·5	304·9	1st	287·4	284·8	11th	293·5	*292·3*	—0·4	148	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·2	1011·8	— 0·5	302·2	303·6	11th	297·6	294·3	7th	299·9	*299·5*	0·0	65	— 55
1057	Christmas Island	10 25	105 43	5·5	1007·4	1008·0	— 0·8	304·4	305·8	..	296·6	294·7	..	300·5	*299·8*	+0·3	210	— 23
1061	Kupang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	57	— 30
1061*a*	Derby	17 18	123 40	16·2	1007·4	1009·2	— 0·1	307·8	312·6	17th	298·3	293·7	28th	303·1	..	—0·6	20	+ 20
1062	Hall's Creek	18 13	127 46	374	967·9	1008·8	0·0	308·8	313·6	16th	295·9	291·1	14th	302·4	*301·7*	—1·0	60	+ 62
1063	Darwin	12 28	130 51	29·6	1005·0	1008·3	— 0·3	306·7	309·2	8th, 19th	298·7	296·0	23rd	302·7	*301·5*	—0·2	185	+ 66
1064	Daly Waters	16 16	133 23	211	983·2	1006·4	— 1·5	310·1	314·1	8th, 19th	297·0	292·4	22nd	303·6	*302·9*	—0·6	122	+ 65
1065	Mein	13 13	142 47	122	994·8	1008·4	+ 0·1	306·4	309·1	17th	295·5	291·8	5th	300·9	..	—0·4	2	— 43
1066	Georgetown, Queensland	18 22	143 32	302	977·6	1010·9	+ 0·8	309·2	311·3	7th	295·2	290·8	3rd	302·2	..	+0·5	5	..
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	—158
1072	Suva, Fiji	18 8 S.	178 26 E.	17·7	1010·2	1012·3	— 0·1	301·1	304·1	8th	295·0	293·2	11th	298·1	*297·9*	0·0	104	mm.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12 S.	159 47 W.	6	..	..	..	298·8	304·9	1st	293·6	288·0	4th	296·2	*296·0*	—0·5	130	— 23
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·1	1016·3	+ 0·5	291·0	292·8	22nd	285·9	284·0	5th	288·5	*288·1*	+0·7	0	— 2
1122	Iquique	20 12	70 11	9	1014·4	1015·5	0·0	294·3	297·0	29th	287·8	286·5	23rd	291·1	*291·2*	—0·4	0	0
1123	Catamarca	28 27	65 47	510	948·0	1004·5	— 2·0	305·6	316·2	13th	290·1	280·6	6th	297·9	297·1	—1·0	17	— 18
1124	Salta	24 46	65 28	1178	880·3	1008·3	— 0·7	299·8	308·8	11th	287·1	280·5	7th	293·5	293·8	—0·5	64	+ 4
1125	Goya	29 9	59 15	26	1006·6	1009·6	— 1·1	302·9	310·0	28th	289·9	284·2	6th	296·4	296·2	+0·8	105	— 3
1126	Asuncion	25 21	57 37	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1127	Curityba	25 25	49 17	908	911·9	1012·3	— 1·7	297·6	304·8	15th	286·9	283·8	10th	292·2	*291·2*	+0·3	117	— 14
1128	Rio de Janeiro	22 54	W43 10	61·4	1005·2	1013·8	— 0·1	299·5	308·1	15th	294·0	290·5	1st	296·8	296·4	+0·5	53	— 52
1139	Windhoek	22 35	E 17 5	1680	..	..	..	301·8	305·3	15th	289·4	286·5	9th	295·6	*295·8*	+0·3	42	+ 21
1140																		
1141	Kimberley	28 42	24 47	1202	880·8	1009·0	+ 0·3	304·9	309·6	24th	287·3	281·3	27th	296·1	296·6	+2·1	24	— 14
1141*a*	Johannesburg	26 11	28 4	1806	824·0	1013·6	+ 0·8	297·7	302·2	25th	285·3	281·0	1st	291·5	*291·1*	+1·0	100	— 26
1142	Pretoria (Brooklyn)	25 46	28 13	1400	863·0	1012·6	+ 1·1	301·0	306·3	25th	286·7	282·0	4th	293·8	*293·4*	+0·6	62	..
1142*a*	Bulawayo	20 9	28 35	1340	868·3	1010·7	+ 0·5	302·9	308·6	25th	289·1	281·9	30th	296·0	*295·6*	+0·5	15	— 68
1143	Durban	29 52	31 3	15·2	1014·6	1016·4	0·0	298·7	304·8	17th	291·7	288·0	27th	295·2	*294·7*	+0·5	106	— 20
1144	Lourenço Marques	25 58	32 36	59	..	1014·8	— 0·1	301·9	311·0	24th	293·1	288·5	2nd	297·5	296·9	+0·5	63	— 18
1147	Mauritius	20 6	57 33	55·2	1008·9	1015·3	— 0·8	301·1	303·2	4th	292·2	288·6	1st	296·7	296·3	—0·6	10	— 30
1159	Onslow	21 43	114 57	4·3	1007·7	1008·5	— 1·5	308·8	316·4	19th	292·8	288·8	11th	300·8	..	+1·4	0	— 1
1160	Peak Hill	25 38	118 47	588	943·5	1007·3	— 1·2	307·1	312·7	17th	292·2	282·4	10th	299·7	..	0·0	27	+ 17
1161	Nullagine	21 53	120 5	386	965·6	1007·5	— 0·7	309·6	314·7	1st	293·8	284·6	11th	301·7	..	—1·2	50	+ 37
1162	Laverton	28 40	122 23	466	960·9	1012·6	+ 0·7	304·6	311·6	7th	290·4	281·9	10th	297·5	*297·3*	+0·1	34	+ 13
1163	Alice Springs	23 38	133 37	587	945·6	1009·9	— 1·0	303·4	311·1	8th	290·9	284·1	10th	297·2	297·8	—1·9	139	+113
1164	William Creek	28 55	136 21	76·2	1003·9	1012·6	+ 0·2	304·1	314·4	26th	291·4	283·6	6th	297·7	*297·2*	—0·2	62	+ 51
1164*a*	Boulia	22 55	139 38	146	992·4	1008·6	— 0·1	308·2	314·6	9th	294·4	289·9	7th	301·3	*301·1*	—0·5	133	+108
1165	Thargomindah	27 58	143 43	123	997·2	1010·9	+ 0·2	307·2	313·8	4th	293·1	286·3	6th	300·1	*299·7*	+0·8	24	0
1166	Mitchell	26 32	147 52	336	975·5	1012·5	..	304·9	309·9	4th, 5th	289·8	281·3	7th	297·3	..	+0·3	17	— 33
1167	Rockhampton	23 24	150 30	11·3	1013·1	1014·4	+ 1·2	303·6	309·0	5th	292·8	289·8	2nd	298·2	..	—0·4	82	+ 28
1168	Brisbane	27 28	153 2	41·7	1011·1	1015·9	+ 1·5	300·9	305·3	20th	291·4	287·3	1st	296·1	*295·7*	0·0	160	+ 67
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1017·0	1018·8	+ 2·2	297·5	301·4	15th	289·1	283·7	2nd	293·3	*292·8*	+1·0	70	— 1

1221	Juan Fernandez	33 37 S.	78 50 W.	10	1016·8	1018·0	..	291·8	294·8	25th	284·3	281·0	9th	288·1	*288·7*	+0·4	45	— 7
1221*a*	Punta Tumbes	36 37	73 6	91	‡1005·8	‡1016·8	— 0·4	289·2	292·0	29th	282·8	280·5	sev. dates	286·0	*286·0*	+0·1	19	+ 2
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1010·8	1015·7	— 0·5	293·5	299·7	28th	284·5	282·7	5th	289·0	*288·5*	—0·4	4	— 4
1223	Santiago	33 27	70 42	520	954·6	1014·3	— 0·5	298·4	305·2	24th	282·6	278·4	4th	290·5	*289·8*	+0·6	7	+ 1
1224	Cordoba	31 25	64 12	423	961·9	1009·9	— 1·1	300·4	310·9	..	286·1	279·0	..	293·3	293·6	+0·4	54	— 48
1224*a*	Bahia Blanca	38 45	62 15	25	..	1011·2	+ 0·1	297·2	306·0	26th	285·2	279·0	6th	291·2	292·3	+0·7	77	+ 24
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1012·2	— 1·4	296·9	304·7	27th	286·0	280·6	3rd	291·5	291·7	—1·5	205	+128
1226	Montevideo (Prado)	34 52	56 12	24·9	1008·9	1011·8	— 1·5	297·0	306·6	27th	286·3	282·2	8th	291·6	291·5	+0·4	122	+ 41
1226*a*	Porto Alegre	30 2	W51 13	23·5	1009·3	1012·0	— 0·9	299·9	307·3	14th	289·0	284·5	9th	294·5	294·3	0·0	87	+ 14
1239	Cape Town	33 56	E 18 29	12·2	..	1015·7	— 0·4	297·4	303·6	27th	286·9	282·4	29th	292·2	*291·1*	+1·2	20	— 7
1240	Danger Point	34 37	19 18	27·7	1008·7	1012·0	..	293·8	296·3	20th	287·9	285·2	12th	290·9	..	..	89	+ 52
1241	Riversdale	34 6	21 16	761	1003·7	1010·8	..	300·3	311·9	21st	286·2	281·9	7th, 20th	293·2	..	..	32	..
1242	East London	33 1	27 54	9·8	1013·3	1014·4	— 0·7	297·9	301·9	30th	289·2	286·3	1, 12, 27	293·6	..	+1·8	58	— 27
1259	Perth (Observatory)	31 57	115 51	60·0	1007·3	1014·6	— 0·9	300·7	309·3	23rd	288·4	284·1	8th	294·6	*294·3*	+2·7	6	— 14
1260	Katanning	33 42	117 35	310	979·6	1015·3	+ 0·5	300·3	306·7	24th	283·4	276·9	8th	291·9	..	+1·3	4	— 13
1261	Coolgardie	30 57	121 10	423	965·8	1013·3	+ 0·4	302·7	310·3	17th	286·8	279·8	10th	294·8	*294·6*	+0·2	17	0
1262	Eucla	31 45	128 58	4·6	1014·6	1015·2	+ 0·6	294·6	312·7	7th	287·0	280·6	6th	290·8	*290·2*	—1·0	12	— 6
1263	Streaky Bay	32 48	134 13	13·1	1014·1	1015·4	0·0	299·3	309·7	7th	286·6	281·6	2nd, 17th	292·9	*292·1*	+0·5	33	+ 16
1264	Adelaide	34 56	138 35	42·7	1011·0	1016·0	+ 1·0	298·2	306·8	15th, 26th	286·3	281·0	2nd	292·3	*291·8*	—0·1	58	+ 29
1265	Melbourne	37 49	144 58	35·1	1011·5	1015·5	+ 1·3	294·5	303·9	8th	284·4	277·9	3rd	289·4	*289·2*	+0·1	82	+ 26
1266	Bourke	30 13	145 58	110	1003·5	1016·2	+ 0·9	306·8	313·6	26th	291·6	283·6	6th	299·2	..	+0·9	28	— 4
1267	Sydney	33 51	151 13	44·5	1009·8	1015·0	+ 1·4	298·3	309·7	24th	288·9	285·7	7th	293·6	*293·3*	+1·1	52	— 19
1268	Lord Howe Island	31 20	159 0	4·6	1016·7	1017·3	+ 1·5	296·8	300·8	30th	289·6	282·2	14th	293·2	..	+0·4	157	+ 51
1271	Auckland	36 50	174 50	38·1	..	1013·5	..	291·3	295·2	26th	284·9	281·3	1st	288·1	..	—0·6	93	+ 10
1272	Napier	39 32 S.	176 53 E.	21·3	..	1008·7	— 3·3	294·9	302·4	25th, 26th	283·2	276·6	15th	289·1	..	+0·2	15	— 38

1301	Chatham Island	43 52 S.	170 42 W.	104	..	1001·9	..	..	..	..	..	..	..	..	..	..	74	+ 1
1321	Isla Guafo	43 34	74 45	140	997·0	1013·9	— 2·7	284·5	288·0	5th	280·4	277·9	18th	282·5	*282·3*	—0·2	72	+ 2
1322	Punta Galera	40 1	73 44	40	1012·0	1016·9	— 0·7	286·9	289·0	29th	281·6	280·0	sev. dates	284·3	*284·8*	—0·2	142	+ 31
1323	Sarmiento	45 30	69 0	274	..	1006·0	..	293·4	301·4	30th	280·5	276·0	16th	286·9	286·6	—0·2	3	— 7
1324	Punta Madryn	42 49	W64 58	14	..	1009·6	..	296·1	304·9	10th	282·4	277·0	3rd	289·3	289·2	+0·2	10	+ 2
1365	Launceston	41 27	E147 10	10·1	1010·4	1011·5	+ 1·2	292·8	301·2	12th	281·6	274·7	3rd	287·2	*286·4*	—0·3	39	— 7
1366	Hobart	42 53	147 20	53·9	1003·8	1010·3	+ 1·2	291·1	298·8	14th	281·8	276·3	2nd	286·4	*285·6*	—0·6	43	— 21
1367	Invercargill	46 25	168 21	5·5	..	..	..	287·4	294·1	3rd	278·6	273·6	14th	283·0	..	—1·3	175	+ 62
1368	Dunedin	45 52	170 31	91·4	..	1003·7	— 5·3	288·5	294·1	9th, 20th	279·2	274·1	13th	283·8	..	—1·0	108	+ 24
1369	Christchurch	43 31	172 39	7·6	..	1004·6	— 3·9	291·6	301·4	26th	280·6	274·5	13th	286·1	..	—0·5	44	— 3
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1008·3	— 3·1	289·1	292·8	28th	282·8	276·8	2nd	285·9	..	—0·9	69	— 20
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

NOVEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.		mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	993·9	1000·6	— 0·6	280·6	282·2	6th	277·3	274·4	10th	278·9	*278·9*	—0·4	234	— 17
1422	Puerto de Punta Arenas	53 10	70 54	4	..	..	..	..	..	..	..	..	..	..	..	..	29	— 5
1423	Punta Dungeness	52 24	68 26	5	997·6	998·2	— 0·7	284·4	287·2	sev. dates	278·2	277·2	sev. dates	281·3	*281·1*	—0·4	26	+ 17
1424	Santa Cruz	50 11	68 21	12	1000·3	1001·7	— 2·2	291·1	298·8	30th	278·3	273·4	11th	284·7	284·5	—0·2	5	— 6
1424a	Año Nuevo	54 39	64 8	50	991·5	997·6	+ 0·4	283·6	288·4	6th	276·2	273·0	4th, 26th	279·9	279·8	+1·1	69	+ 25
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	70	+ 17
1426	Cape Pembroke	51 41	57 42	21	..	1001·2	+ 2·0	281·9	285·8	9, 19, 27	275·7	271·9	1st	278·8	279·2	—0·6	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	1001·1	1001·6	+ 8·2	277·8	284·7	8th	272·2	266·6	2nd	274·9	*274·8*	—1·6	48	— 51

NOVEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	996·7	997·6	+ 8·5	272·5	277·1	13th	268·9	257·4	1st	270·7	271·0	+0·2	31	— 4
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 114.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—NOVEMBER 1920.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s		9h. 17h.	7h. 21h.	9h.	9h.	8h. 21h.	9h.
1	Calm	4·5	..	Calm 0 SW 4	S 1 SE 2	E 2	Calm 0	NNW 3 N 3	E 3
2	S	9·5	..	E 4 Calm 0	S 1 SSW 2	ENE 3	SE 4	ESE 3 ESE 3	E 2
3	S	8·2	..	E 2 Calm 0	E 1 S 1	SE 2	Calm 0	S 2 SSW 3	SE 3
4	S	7·8	..	Calm 0 NE 2	SW 3 S 2	ESE 2	ESE 4	ENE 1 N 4	Calm 3
5	S	6·9	..	Calm 0 SW 1	SE 1 S 1	NE 2	SE 4	NE 4 NE 3	E 3
6	SSE	6·2	..	SW 1 SW 2	SE 1 S 2	ENE 3	ESE 2	ENE 5 ENE 4	E 4
7	S	9·5	..	E 3 SW 2	E 1 SE 1	ENE 3	Calm 0	E 3 E 3	Calm 4
8	S	6·4	..	Calm 0 Calm 0	S 1 S 1	NE 2	Calm 0	E 2 E 2	E 0
9	S	6·6	..	Calm 0 Calm 0	N 1 SW 1	NE 1	Calm 0	E 2 E 1	Calm 0
10	S	5·0	..	E 1 SW 2	S 1 S 1	NE 2	Calm 0	NE 2 Calm 0	Calm 0
11	S	..	..	NE 1 SE 1	S 1 SE 2	SE 1	Calm 0	N 1 NE 2	Calm 0
12	S	..	..	Calm 0 Calm 0	N 2 NE 2	SE 2	Calm 0	ENE 2 ENE 4	Calm 0
13	S	5·9	..	E 1 Calm 0	N 1 NE 1	E 3	SE 2	ENE 4 ENE 4	Calm 1
14	SSE	4·7	..	NE 2 Calm 0	SW 2 N 1	NE 1	ESE 4	NE 3 N 5	SE 3
15	SE	4·0	..	Calm 0 SW 2	N 1 SW 1	E 3	SE 2	ENE 3 ENE 3	E 2
16	SE	4·6	..	NE 2 Calm 0	SE 1 SSW 2	ESE 1	SE 4	ENE 2 ESE 3	E 4
17	SE	4·3	..	E 4 Calm 0	NE 1 N 1	E 2	SE 4	E 3 E 3	E 4
18	SE	7·6	..	NE 1 Calm 0	SE 1 E 1	E 2	ESE 2	E 3 E 3	E 5
19	S	8·3	..	Calm 0 Calm 0	E 1 SE 1	SSE 2	ESE 6	E 3 E 3	E 0
20	S	5·4	..	E 1 SW 1	NE 1 N 1	NE 1	SE 4	E 4 E 3	Calm 3
21	S	7·9	..	NE 1 Calm 0	S 2 SSW 2	NE 3	SE 2	E 4 E 3	E 4
22	S	7·4	..	Calm 0 SW 1	NE 2 SSW 2	E 3	Calm 0	E 4 E 4	E 4
23	S	7·5	..	SW 1 SW 1	S 2 SW 1	SE 2	SE 2	ENE 3 E 3	E 2
24	S	5·7	..	Calm 0 SW 1	NE 1 S 1	NE 3	ESE 2	NNE 2 ENE 3	E 3
25	S	7·0	..	SW 1 SW 1	N 1 S 2	NE 2	SE 2	E 2 E 3	E 4
26	S	8·1	..	E 1 SW 1	N 1 SSE 1	ENE 4	Calm 0	E 3 E 3	NE 4
27	S	6·6	..	NE 2 NW 2	SSE 1 S 2	E 6	SE 4	E 2 E 3	E 3
28	S	7·2	..	NE 1 NE 1	S 1 E 1	E 4	SE 4	E 2 ENE 2	E 3
29	S	9·3	..	NE 1 SW 1	N 2 NE 2	E 2	Calm 0	NE 2 NE 2	E 3
30	S	10·8	..	E 1 Calm 0	SW 1 S 2	SE 3	Calm 0	NE 2 NE 3	E 2
Mean	..	6·9	..	1·1 0·9	1·3 1·4	2·4	1·9	2·7 2·9	2·2
§Resultant	175° (92)	..	..	130°(11)	150° (35)	85° (80)	130° (57)	75° (80)	95° (60)
§Normal	142° (93)	8·3	‖116° (76)	285° (8)	255° (36)	72° (82)	131° (52)	‖108° (36)	101° (65)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at ?608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—NOVEMBER 1920.

‡‡ *Spitsbergen.*—The fjords on the west coast began to freeze up about the middle of the month, but generally only for a few days at a time.

‡‡ *Greenland Sea and Denmark Strait.*—At the beginning of the month there was ice everywhere at Angmagsalik. From the 20th to the 30th the ice belt was only 8 miles wide and outside this the sea was free of ice except for a few icebergs.

‡‡ *N. Atlantic and Labrador.*—Ten icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being four. Icebergs were still met with in Belle Isle Strait.

‡‡ *Davis Strait and Baffin Bay.*—The sea was open along the west coast of Greenland, but many icebergs were met with round Cape Farewell to a distance of 70 miles offshore and off Nunarsuit to a distance of 30 miles. West ice was observed from Upernivik about the middle of the month but soon drifted away.

‡‡ *Melville Bay and Smith Sound.*—During the latter part of the month belts of ice formed in Melville Bay and also between Cape York and Cape Atholl, while an ice edge extended from Cape Atholl past Northumberland Island to Cape Saumarez. The permanent ice cover formed in Inglefield Fjord on the 4th.

‡‡ *Isforholdene i de arktiske Have*, 1920 and 1921, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, DECEMBER 1920.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF DECEMBER 1920 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **DECEMBER—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Barrow	71 23	156 17	6·1	..	..	..	251·6	261·3	4, 5, 7	244·4	228·6	31st	248·0	..	..	10	..
1123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1124	Upernivik	72 47	W56 7	18·9	1010·6	1013·1	+ 6·8	258·7	273·3	19th	251·7	245·5	29th	255·2	*255·2*	—0·8	15	+ 2
1139	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1008·2	1009·7	— 0·2	..	275·1	3rd	259·8	249·0	21st	..	262·6	+5·0	75	+ 36
1140	Björnöen	74 28	19 15	40·5	1003·5	1008·7	..	..	..	..	..	..	..	..	*269·2*	..	33	..
1141	Gjesvaer	71 6	25 22	6·5	1009·6	1010·4	+ 7·4	..	280·4	6th	271·5	259·0	22nd	..	*273·7*	+3·9	105	+ 98
1142	Mehavn	71 1	27 47	6·4	1009·2	1010·0	+ 4·9	..	280·7	7th	271·0	259·4	22nd	..	*273·2*	+4·4	179	+101
1143	Vardö	70 22	31 8	10·0	1009·8	1011·1	+ 6·0	..	278·6	7th	269·8	265·0	22nd	..	*271·9*	+3·2	75	+ 11
1147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1148	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															

Between Latitude 70° N. and 60° N. **DECEMBER—ZONE 2.**

1203	Nome	64 30	165 24	6·7	..	1004·0	— 4·1	259·8	275·8	19th	252·1	238·6	31st	256·0	*256·2*	—2·4	8	— 19
1204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1205	Tanana	65 10	152 6	67·1	..	1005·4	— 8·3	255·3	267·4	18th	248·6	236·9	31st	252·0	*252·3*	+2·3	7	— 19
1206	Rampart	65 30	150 15	122	..	..	..	252·2	263·6	18th	245·8	234·1	30th	249·0	..	..	7	— 12
1207	Valdez	61 7	146 16	8·2	..	996·3	— 7·9	268·9	275·8	18th	261·3	253·6	25th	265·1	*265·4*	—1·7	94	— 65
1208	Eagle	64 46	141 12	254	..	1008·4	— 0·1	254·0	266·9	17th, 18th	246·8	227·4	26th, 27th	250·4	..	—0·6	9	— 3
1209	Dawson	64 4	139 20	328	966·3	1010·9	— 2·3	250·8	259·1	22nd	244·1	238·0	14th	247·4	..	—0·8	8	— 24
1211	Carcross	60 11	134 34	662	..	..	..	260·9	270·2	17th, 30th	252·1	245·2	13th	256·5	..	—3·3	24	+ 6
1212	Fort Good Hope	66 25	128 53	65·2	1006·4	1015·7	..	246·3	257·4	9th	238·0	222·4	20th	242·2	..	..	10	— 12
1213	Fort Simpson	61 52	121 35	129	997·6	1015·7	..	249·1	260·8	2nd	242·4	231·3	26th	245·8	..	—3·2	19	— 1
1213	Hay River	60 51	115 20	161	993·1	1015·2	..	252·4	267·4	2nd	245·2	228·6	26th	248·8	..	—3·1	28	..
1256	Jacobshavn	69 13	51 2	12·6	1007·2	1008·8	+ 5·0	263·8	274·6	29th	256·6	246·3	3rd	260·2	*260·6*	+0·6	40	+ 27
1257	Godthaab	64 11	51 43	9·0	1000·4	1001·6	+ 2·0	268·6	278·0	30th	262·8	256·6	3rd, 13th	265·7	*265·7*	+0·6	..	..
1259	Ivigtut	61 12	48 10	5·0	1000·0	1000·6	+ 1·5	271·1	280·7	29th	263·9	256·0	2nd, 3rd	267·5	*267·7*	+1·0	24	— 54
	Angmagsalik	65 37	37 33	31·7	1000·3	1004·4	+ 5·0	267·2	276·8	4th	261·7	251·0	22nd	264·5	*264·1*	—1·6	70	+ 2
1231	Stykkisholm	65 5	22 46	11·3	1001·5	1002·9	+ 4·1	275·0	282·5	4th, 10th	270·4	262·6	25th	272·7	*273·0*	+1·3	60	+ 4
1232	Vestmanno	63 26	20 15	7·7	1001·4	1002·4	+ 5·4	278·1	282·5	4th	273·9	267·7	24th	276·0	*275·6*	+1·3	97	— 42
1233	Grimsey	66 33	17 58	22·0	1004·4	1007·1	+ 6·3	275·6	283·0	4th	..	..	..	..	*273·4*	+1·7	..	..
1235	Berufjord	64 40	14 19	18·0	1004·6	1006·8	+ 6·9	277·1	286·5	5th	272·3	264·7	24th	274·7	*274·5*	+2·0	76	— 61
1236	Thorshavn	62 3	6 45	26·3	1006·0	1009·2	+ 7·2	280·1	282·4	16th, 17th	276·1	266·4	24th	278·1	*278·4*	+1·7	209	+ 41
	Lerwick	60 9	W 1 8	18·0	1011·4	1013·6	+ 9·4	280·8	283·6	25th	277·7	272·4	23rd	279·3	*279·4*	+1·8	97	— 25
1237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1011·6	1017·2	+ 8·1	276·9	281·7	27th	273·5	268·9	13th	275·2	*275·4*	+0·5	127	— 54
1238	Christiansund	63 7	7 45	5·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1239	Trondhjem	63 26	10 25	39·5	1013·0	1018·1	+10·5	274·2	281·3	22nd	268·9	263·8	29th	271·5	*271·7*	+1·0	15	— 72
1240	Bodö	67 17	14 24	22·4	1012·4	1015·2	+10·2	..	281·4	6th	270·2	263·4	29th	..	*273·7*	+2·1	18	— 66
1241	Haparanda	65 50	24 9	9·2	1016·9	1018·1	+ 8·9	269·8	275·5	22nd	264·2	251·0	30th	267·0	*267·1*	+4·1	50	+ 18
1242	Helsingfors	60 10	24 57	11·7	1023·1	1024·7	+12·5	273·3	276·5	20th	270·1	261·4	29th	271·7	*271·7*	+2·2	19	— 32
1242a	Kuopio	62 54	27 40	90·3	1011·0	1022·6	+11·1	271·0	274·2	22nd	266·4	253·5	31st	268·7	*269·4*	+4·0	18	— 22
1243	Kola	68 53	33 1	6·7	1013·4	1014·3	+ 6·5	270·6	278·0	12th	263·0	245·5	21st	266·8	*267·0*	+4·5	20	+ 3
1244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1245	Arkhangelsk	64 35	40 36	6·2	1018·4	1019·2	+ 8·1	270·5	273·7	24th	265·9	254·7	21st	268·2	*268·4*	+6·7	25	+ 1
1246	Mezen	65 50	44 16	12·6	1014·8	1016·4	+ 5·9	269·9	275·1	13th, 14th	264·3	244·3	22nd	267·1	*267·3*	+7·6	23	+ 13
1247	Oust-Tsylma	65 25	52 14	? 70	1008·8	1018·1	+ 1·6	266·5	273·9	13th, 14th	258·5	234·8	20th	262·5	*262·6*	+4·6	32	..
1248	Tcherdyn	60 24	56 31	?177	1001·9	1025·5	+ 8·3	263·1	271·5	9th	255·4	238·6	21st	259·2	*259·2*	+3·1	32	— 5
1249	Berezov	63 56	65 4	39·9	1014·6	1020·1	+ 5·2	..	270·8	14th	248·1	227·4	22nd	..	*253·5*	+1·9	19	+ 5
1250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1251	Sourgout	61 15	73 24	? 40	1017·2	1022·7	+ 4·6	..	267·4	19th	244·8	223·1	22nd	..	*250·0*	—2·5	39	+ 21
1253	Doudinka	69 23	86 4	20	1017·4	1020·2	+ 4·6	..	252·5	29th	235·5	224·0	14th	..	*239·7*	..	1	..
1254	Touroukhansk	65 47	87 57	45	1017·6	1024·2	+ 4·2	..	255·5	22nd	232·8	215·4	16th, 17th	..	*238·1*	—7·6	9	— 6
1261	Viliouisk	63 45	121 35	? 120	1014·7	1031·9	..	..	250·4	8th	232·8	224·8	31st	..	*236·6*	+1·2	10	— 1
1262	Iakoutsk	62 1	129 43	108	1012·0	1028·0	+ 1·8	..	247·4	7th	230·9	222·0	13th	..	*234·9*	+2·4	5	— 6
1263	Verkhoiansk	67 33	133 23	100	1007·8	1023·0	+ 1·2	..	254·9	8th	223·9	216·9	31st	..	*227·7*	+1·4	..	..
1271																		
1272																		
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1001·7	— 1·0	268·5	276·3	5th	264·6	253·6	31st	266·5	..	..	30	— 31
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	996·6	— 5·1	272·4	279·7	5th	267·8	264·1	30th, 31st	270·1	..	—2·8	142	
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	265·1	276·9	18, 20, 22	256·5	241·9	15th	260·8	..	..	17	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	990·5	—11·2	273·9	278·6	21st	269·6	261·3	13th	271·8	..	..	113	— 31
309	Sitka	57 3	135 19	27·4	..	996·9	—10·9	278·2	285·2	18th	272·7	266·3	11th	275·4	*275·3*	+0·1	183	— 52
310	Prince Rupert	54 18	130 18	51·8	996·9	1003·3	— 6·4	277·4	283·6	17th	273·6	263·6	23rd	275·5	*276·5*	—0·9	307	+ 18
311	Barkerville	53 2	121 35	1274	858·0	1006·1	—12·5	270·2	275·2	1st, 27th	263·6	252·4	21st, 22nd	266·9	*267·1*	—0·1	93	+ 0
312	Kamloops	50 42	120 29	385	968·1	1015·6	— 7·0	275·8	281·9	3rd	270·8	264·1	26th	273·3	*273·6*	+2·0	21	— 18
313	Calgary	51 2	114 2	1045	887·4	1011·5	— 7·8	271·9	283·0	2nd, 27th	259·1	242·4	22nd	265·5	*264·9*	—1·1	14	+ 2
314	Fort Chipewyan	58 42	111 10	218	986·3	1015·7	..	257·4	273·0	4th	249·1	231·9	26th	253·3	*253·2*	—3·1	8	— 15
315	Prince Albert	53 10	105 38	442	958·5	1015·5	— 3·0	264·1	275·2	7th	256·9	244·1	25th, 27th	260·5	*260·5*	+2·3	11	— 7
316	Qu'Appelle	50 30	103 47	645	933·5	1014·9	— 1·7	266·3	276·3	28th	258·6	242·4	27th	262·4	*262·1*	+1·2	13	— 0
317	Minnedosa	50 15	99 50	515	949·2	1015·3	— 3·2	265·2	274·1	1st, 3rd	255·2	238·6	27th	260·2	*259·9*	+0·5	14	— 3
318	Berens River	52 18	97 23	216	..	..	..	264·7	275·8	4th	256·0	236·9	27th	260·3	..	+3·6	48	+ 24
318*a*	Port Nelson	57 4	92 36	14·9	1014·7	1016·7	+ 1·4	256·9	271·3	1st	247·4	229·1	28th	252·2	..	+2·0	38	+ 8
319	Fort Hope	51 33	87 49	‡260	979·5	1013·6	..	261·9	274·1	13th, 14th	255·8	235·2	25th	258·8	*258·8*	+3·9	65	+ 42
320	Moose Factory	51 14	80 30	9·1	1012·7	1013·9	— 3·3	265·8	277·4	1st, 14th	257·4	236·3	28th	261·6	..	+3·8	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	264·7	275·2	15th	256·6	239·1	28th	260·7	*260·7*	..	..	+ 57
322	Mistassini Post	50 15	73 55	383	..	..	..	264·6	274·1	1st	254·9	231·9	26th	259·8	..	+3·9	74	
323																		— 1
324	Natashquan	50 8	61 48	6·1	..	..	..	268·4	275·2	2nd	259·5	247·4	5th	263·9	..	—0·7	69	
326	Belle Isle	51 53	55 23	133	..	..	..	269·1	274·7	2nd	264·1	251·9	5th	266·6	*266·7*	+3·7	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1010·8	1012·5	+ 1·8	282·2	286·3	2nd	277·8	270·2	14th	280·0	280·2	—0·3	183	+ 18
335	Aberdeen	57 10	W 2 6	26·8	1010·6	1013·9	+ 6·8	279·0	282·4	3rd, 26th	274·9	269·1	18th	276·9	277·3	+0·3	92	+ 11
336	Greenwich	51 28	0 0	46·3	1010·3	1016·1	+ 2·9	279·9	286·9	3rd	275·6	264·1	13th	277·8	277·8	—0·1	49	— 8
337	Uccle	50 48	E 4 22	100	1004·7	1017·2	+ 0·5	278·1	286·9	30th	273·3	262·1	16th	275·7	275·7	+0·2	63	— 0
338	De Bilt	52 6	5 11	3·0	1010·4	1016·8	+ 1·6	277·1	285·9	30th	272·5	261·7	16th	274·8	275·1	0·0	57	— 17
338*a*	Hamburg	53 33	9 58	26·0	1015·4	1018·8	+ 4·9	275·7	284·1	30th	272·3	264·5	14th, 16th	274·0	*274·1*	—0·3	45	— 17
339	Copenhagen	55 41	12 36	5·0	1010·6	1020·2	+ 6·9	275·9	280·3	30th	273·8	270·3	16th	274·9	*275·1*	—0·2	53	+ 9
340	Potsdam	52 23	13 4	84·9	1008·7	1019·5	+ 4·1	274·5	284·9	30th	270·7	262·3	20th	272·6	272·6	—1·2	45	+ 1
340*a*	Uppsala	59 51	17 38	24	1019·7	1022·7	+11·7	272·2	275·9	23rd	268·3	258·0	28th	270·3	270·4	+0·9	26	— 22
341	Warsaw	52 13	21 1	133	1006·4	1023·5	+ 6·5	272·4	280·5	30th	267·6	255·9	20th	270·0	270·3	—0·4	11	— 20
342	Dorpat (Jurjev)	58 23	26 43	74·5	1017·3	1027·0	+14·0	270·1	275·0	27th	265·7	254·3	16th	267·9	268·1	0·0	19	— 22
343	Petrograd	59 56	30 16	4·8	1025·5	1026·1	+13·4	270·9	274·7	24th	266·3	260·3	17th	268·6	*268·8*	+1·6	10	— 21
344	Kiev	50 27	30 30	183	1005·9	1029·7	+11·0	269·0	276·1	31st	264·2	258·4	4th	266·6	*267·3*	—1·4	18	— 16
344*a*	Moscow	55 50	37 33	167	1009·6	1031·6	+14·0	267·0	273·2	23rd, 24th	260·1	251·6	15th, 18th	263·6	*263·8*	—2·1	24	— ..
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1022·3	1033·0	+13·7	264·7	269·6	23rd	258·8	252·0	8th	261·8	*262·1*	—0·3	16	— 28
347	Orenburg	51 45	55 6	109	1021·9	1036·8	+13·2	259·0	268·0	10th	251·6	238·7	1st	255·3	*255·9*	—5·4	5	— 14
348	Perm	58 1	56 16	159	1008·4	1029·6	+10·7	..	269·1	9th	256·3	244·9	21st	..	*259·8*	—0·2	29	— 2
349	Ekaterinburg	56 50	60 38	281	992·0	1029·4	+ 8·4	261·8	267·4	10th, 19th	255·6	240·7	7th	258·7	*258·9*	0·0	12	— 2
350	Tobolsk	58 12	68 14	?108	1013·0	1027·8	+ 6·9	..	267·5	10th	248·9	232·3	7th	..	*253·7*	—2·3	21	— 14
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	+ 39
353	Barnaoul	53 20	83 48	162	1014·4	1036·8	+ 7·2	..	264·7	15th	245·2	227·1	28th	..	*252·3*	—5·2	65	— 12
354	Tomsk	56 30	84 58	122	1015·0	1032·1	+ 5·3	..	264·2	12th	244·6	229·8	17th	..	*249·0*	—0·8	32	— 13
355	Minousinsk	53 43	91 41	249	1002·2	1036·3	+ 4·4	..	270·2	20th	248·1	230·3	30th	..	*253·0*	..	0	— 10
356	Eniseisk	58 27	92 10	77·6	1019·6	1030·6	+ 3·5	..	266·7	20th	241·9	224·3	26th	..	*246·8*	—5·5	19	+ 2
357	Irkutsk	52 16	104 19	467	971·2	1034·7	+ 3·0	..	268·6	15th	245·7	232·4	28th	..	*250·6*	—4·3	20	..
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	674	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	973·2	1025·0	..	253·2	264·2	19th	243·0	230·9	13th	248·1	*248·4*	..	7	+ 12
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	1004·2	1023·8	+ 2·0	255·2	268·1	19th	244·2	235·7	14th	249·7	*249·5*	—1·3	13	
363																		..
364																		..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		..
367																		..
368	Petropavlovsk (Radio)	53 0	158 39	13·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
369																		..
371	Attu Island	52 56	173 13	4·9	..	1006·8	+ 4·8	273·7	278·6	4th, 5th	268·4	263·0	17th	271·1	..	..	99	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1001·7	1010·3	— 6·5	280·8	283·6	1st, 28th	277·4	273·0	14th	279·1	278·9	+1·1	117	— 33
412	Portland, Oregon	45 32	122 41	46·6	1009·1	1014·5	— 4·3	281·7	287·4	29th	277·7	272·4	14th	279·7	*279·7*	+1·5	211	+ 32
413	Macleod	49 44	113 24	953	..	..	..	273·5	285·8	1st	263·0	238·6	23rd	268·3	*268·3*	—1·1	13	— 1
414	Helena	46 34	112 4	1253	869·1	1014·5	— 6·3	274·9	284·1	30th	267·0	256·3	23rd	270·9	*271·6*	+2·2	6	— 14
414*a*	Salt Lake City	40 46	111 54	1329	867·4	1018·6	— 2·7	276·4	282·4	1st	269·2	261·9	15th	272·8	*273·2*	+0·1	35	+ 0
415	Cheyenne	41 8	104 48	1856	807·5	1014·9	— 3·9	275·7	288·6	1st	265·7	254·7	22nd	270·7	*271·1*	—0·2	14	+ 3
416*a*	North Platte	41 8	100 45	859	914·3	1017·3	— 2·5	276·5	289·7	1st	263·9	245·8	24th	270·2	*269·2*	—0·8	15	+ 0
417	Bismarck	46 47	100 38	511	952·8	1015·9	— 3·8	270·5	281·3	3rd	259·8	244·1	27th	265·1	*265·4*	+1·8	7	— 8
418	Winnipeg	49 53	97 7	232	984·7	1014·9	— 3·0	265·8	273·6	1st, 31st	257·4	243·0	27th	261·6	*261·6*	+3·2	20	— 5
	Duluth	46 47	92 6	345	969·7	1012·5	— 5·2	269·0	278·0	13th	262·9	248·6	24th	265·9	*266·1*	+2·2	27	+ 4
419	Port Arthur	48 27	89 12	196	987·3	1012·3	— 4·9	269·7	278·0	13th, 14th	263·6	248·0	28th	266·6	*266·7*	+3·7	82	+ 61
420	Chicago	41 53	87 37	251	982·9	1013·9	— 4·7	276·4	289·7	3rd	270·1	253·0	28th	273·2	*273·6*	+1·4	85	+ 34
421	Toronto	43 40	79 24	116	998·6	1013·2	— 4·3	275·8	283·6	14th	269·7	260·8	29th	272·7	272·5	+2·9	77	+ 5
422	New York (Central Park)	40 47	73 58	47·4	1008·5	1014·4	— 5·9	279·2	287·4	14th	272·7	264·1	26th	275·9	275·8	+1·5	156	+ 69
423	St. John, N.B.	45 17	66 4	36·2	1006·5	1011·1	— 3·0	272·4	283·6	2nd	266·3	250·8	26th	269·4	269·2	+0·6	119	+ 13
424	S.W. Point, Anticosti	49 24	63 35	9·1	1008·9	1010·1	— 0·1	270·2	276·3	2nd	265·2	255·2	4th	267·7	*268·0*	+1·3	112	+ 57
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1008·8	1009·8	— 1·5	276·9	283·0	2nd, 6th	273·0	263·0	26th	274·9	*274·7*	—0·4	82	— 55
425	Port aux Basques	47 35	59 10	9·1	1006·3	1007·5	— 2·3	272·4	280·8	2nd	268·6	261·9	26th	270·5	*270·5*	—0·4	105	— 34
426	St. John's, Newfoundland	47 34	52 42	38·1	997·1	1001·9	— 7·1	273·0	281·9	7th	268·6	261·3	5th	270·8	*270·8*	—0·5	127	— 16
435	Madrid	40 24	3 41	667	941·5	1021·3	— 0·5	280·8	287·8	2nd	275·0	266·8	19th	277·9	*277·9*	—0·6	50	+ 1
436	Nantes	47 15	W 1 34	36·5	1012·0	1017·1	— 1·1	280·5	288·1	30th	275·5	267·0	12th	278·0	278·1	+0·4	51	— 34
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·6	1017·9	— 0·3	279·1	289·0	29th	273·7	263·5	16th	276·4	276·6	+0·9	35	— 7
438	Marseille	43 18	5 23	75		1016·0	— 0·3	283·9	290·8	29th	276·0	265·7	18th	280·0	*279·5*	—0·2	11	— 62
438*a*	Zürich	47 23	8 33	493	950·5	1020·0	— 0·4	276·1	287·8	30th	271·5	262·5	17th	273·8	273·6	+1·2	60	— 13
439	Rome	41 54	12 27	45·5	1010·2	1015·8	+ 0·5	285·5	289·0	3rd	279·2	274·8	26th, 27th	282·3	*282·3*	+1·0	162	+ 72
440	Vienna	48 15	16 22	203	994·9	1020·3	+ 0·9	275·4	286·6	31st	272·2	266·1	15th	273·8	274·0	+1·5	116	+ 74
440*a*	Budapest	47 31	19 2	130	1004·2	1020·3	+ 1·6	277·5	285·0	31st	273·9	269·0	15th	275·7	*275·5*	+2·5	97	+ 43
441	Sofia	42 42	23 20	550	956·2	1023·5	+ 3·6	277·3	282·9	29, 30, 31	272·4	268·0	10th	274·9	*274·6*	+1·3	20	— 11
442	Bucharest	44 25	26 5	82	1015·1	1025·6	+ 5·2	273·5	279·5	30th	269·6	264·3	9th	271·5	271·4	—1·2	11	— 20
443	Odessa (University)	46 26	30 46	42·8	1021·8	1027·3	+ 7·9	272·1	276·9	31st	268·6	263·1	5th	270·4	*270·2*	—2·2	11	— 19
444	Kharkov (University)	50 0	36 14	140	1014·0	1032·4	+11·0	266·6	272·2	22nd	261·1	252·8	1st	263·8	*264·2*	—3·8	10	— 25
444*a*	Novorossiisk	44 44	37 49	37·1	1020·4	1025·1	+ 6·0	280·0	286·7	23rd	270·8	262·5	9th	275·4	*275·2*	—2·7	3	— 87
446	Tiflis	41 43	44 48	404	980·0	1031·3	+ 8·2	273·4	278·4	24th	265·6	259·9	23rd	269·5	*269·3*	—6·5	15	— 7
447	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Aralskoe More	46 47	61 42	56	..	..	..	..	266·8	11th	251·1	239·5	1st	..	*255·8*	—7·9	4	..
450	Tachkent	41 20	69 18	478	972·3	1033·5	+ 7·2	272·3	281·0	15th	261·3	250·8	18th	266·8	*266·3*	—9·0	36	— 2
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	841	..	..	..	266·6	276·3	15th	255·5	247·1	17th	261·0	*261·1*	..	18	..
461	Moukden	41 48	123 23	43·8	1022·3	1028·1	+ 1·5	270·3	283·9	1st	259·4	252·5	29th	264·9	264·2	+1·6	6	0
462	Joshin	40 40	129 11	31·9	1019·5	1023·6	+ 3·2	275·0	284·2	1st	266·2	258·2	8th	270·6	270·3	+1·2	46	+ 9
463	Yuki	42 20	130 24	65·6	1015·4	1023·9	+ 2·7	270·6	282·0	1st	262·5	256·2	22nd	266·5	266·5	—0·1	5	— 6
464	Vladivostok	43 7	131 55	128	1007·4	1024·3	+ 2·8	266·9	277·5	18th	258·9	250·6	24th	262·9	262·5	—0·7	11	— 2
465	Ochiai	47 20	142 46	6·6	1013·0	1013·9	+ 2·0	268·0	276·6	2nd	255·2	243·0	15th	261·6	262·6	—0·9	43	— 27
466	Nemuro	43 20	145 35	26·7	1011·1	1014·5	+ 3·4	274·3	282·0	3rd	267·8	262·9	24th	271·0	271·3	—0·2	84	+ 24
466*a*	Syana	45 14	147 53	39·3	1007·8	1012·8	+ 3·9	273·0	280·5	4th	267·0	258·6	29th	270·0	270·2	—0·5	143	+ 31
		N.	E.															

Between Latitude 40° N. and 30° N.

DECEMBER—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1013·6	1019·3	— 1·0	286·2	289·1	29th	280·9	278·6	26th	283·6	*283·3*	—0·2	190	+ 86
512	San Luis Obispo	35 18	120 39	61·3	1012·3	1019·6	— 0·1	289·6	295·2	27th	278·8	272·4	6th	284·2	*283·5*	—1·1	98	+ 1
513	San Diego	32 43	117 10	26·5	1014·7	1017·9	0·0	290·0	295·2	15th	281·3	277·4	21st	285·7	*285·3*	—0·9	14	— 30
514	Modena	37 48	113 54	1670	832·6	1018·6	— 2·7	277·4	286·9	29th	263·7	255·8	15th	270·6	*269·8*	0·0	6	— 7
515	Santa Fé	35 41	105 57	2138	784·7	1017·6	— 0·9	276·3	285·2	1st	264·6	257·4	27th	270·4	*270·1*	—2·0	21	+ 3
516	Denver	39 45	105 0	1613	833·0	1015·2	— 3·3	278·6	291·9	1st	266·8	255·2	23rd	272·7	273·2	+0·1	11	— 7
517	Abilene	32 23	99 40	530	954·1	1016·6	— 2·8	288·1	298·0	12th	274·3	265·8	22nd	281·2	*280·4*	+0·2	16	— 15
518	Saint Louis	38 38	90 12	173	994·7	1015·6	— 4·6	280·1	290·8	2nd	272·0	258·0	28th	276·1	*276·0*	+1·1	61	+ 7
519	Mobile	30 41	88 2	17·4	1016·9	1018·9	— 1·7	288·3	293·6	13th	278·8	271·9	29th	283·6	*283·5*	—0·3	157	+ 37
520	Nashville	36 10	86 47	166	998·0	1018·3	— 2·7	282·3	289·1	13th	274·3	263·6	28th	278·3	*278·5*	+0·4	76	— 25
521	Charleston	32 47	79 56	14·6	1016·8	1018·6	— 2·2	288·2	294·1	22nd	279·4	274·1	29th	283·8	*284·2*	+0·5	76	+ 2
522	Washington	38 54	77 3	34·1	1012·3	1016·6	— 3·5	280·4	293·0	14th	273·7	267·4	29th	277·1	*277·0*	+1·7	80	— 2
524	Bermuda	32 17	64 46	46·0	1012·5	1017·9	— 0·8	294·7	296·9	6th, 7th	289·1	285·2	27th	291·9	*291·7*	+0·4	116	— 6
530	Santa Cruz (Flores)	39 27	31 9	28	1009·7	1012·7	— 6·9	290·2	292·7	1st	285·4	279·1	24th	287·8	*288·1*	—0·5	423	+226
531	Horta	38 32	28 38	65	1006·6	1013·8	— 6·9	289·6	292·9	3rd	285·9	281·2	24th	287·7	287·8	—0·8	221	+ 99
532	Ponta Delgada	37 44	25 40	22	1013·9	1015·7	— 5·8	289·8	292·3	1st	286·7	282·2	24th	288·3	288·4	—0·1	..	..
532*a*	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	198	+ 73
533	Madeira (Funchal)	32 37	16 54	25	‡1018·9	‡1021·9	+ 0·3	292·9	299·5	3rd	287·5	285·0	30th	290·2	*290·4*	+1·2	46	— 36
534	Lisbon	38 43	9 9	95	1007·6	1019·1	— 1·4	286·9	291·2	30th	282·6	277·4	19th	284·8	*284·9*	+0·9	83	— 20
535	Gibraltar	36 6	5 21	16·2	1017·4	1019·2	— 0·9	289·3	294·7	2nd	282·1	279·2	16th	285·7	*285·7*	—0·6	122	— 20
536	Melilla	35 18	2 59	8	1018·3	1019·3	— 0·3	290·1	293·4	30th	281·2	278·2	8th	285·7	*286·4*	—3·2	52	— 3
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

DECEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1014·1	1016·9	— 0·5	286·9	293·0	28th	279·6	275·0	20th	283·3	..	—1·6	45	— 10
538	Algiers (Bouzaréah)	36 48	3 2	343	977·1	1017·8	— 1·2	286·9	296·6	30th	281·9	276·5	20th	284·4	284·5	+0·5	154	+ 53
539	Tunis	36 48	10 10	21	1016·7	1019·2	..	289·5	295·0	31st	280·9	277·0	16th	285·2	*284·6*	+0·3	31	— 30
539*a*	Malta	35 54	14 31	56·4	..	1016·4	— 0·4	289·7	292·7	7th	285·3	282·9	26th	287·5	*287·0*	+0·1	37	— 23
540	Riposto	37 41	15 14	14·2	..	1017·3	— 0·4	288·7	290·6	7th	283·0	280·8	19th	285·9	*285·3*	—0·1	31	— 47
541	Athens	37 58	23 43	107	1006·2	1019·2	+ 2·6	286·4	290·1	16th	279·9	274·5	27th	283·2	283·4	0·0	110	— 27
542	Alexandria	31 12	29 53	32·0	1014·3	1018·2	+ 0·3	293·9	296·6	17th	..	..	..	..	..	..	39	
543	Cairo (Helwan)	29 52	31 20	116	1004·3	1018·3	— 0·5	292·3	296·7	18th	282·5	279·6	25th	287·4	287·1	—0·3	14	+ 9
544	Nicosia (P.W.D.)	35 9	33 22	159	1000·2	1019·2	+ 1·3	288·2	293·0	23rd	277·1	274·1	2, 7, 22	282·7	..	—1·4	61	+ 10
544*a*	Beirut	33 54	35 28	33·7	..	1018·0	+ 0·3	290·0	293·4	23rd	284·8	281·6	27th	287·4	*287·3*	—1·0	82	—109
545	Baghdad	33 21	44 28	38·1	..	1021·2	+ 0·9	287·5	290·0	27th	276·2	268·9	3rd	281·8	*281·0*	—2·7	52	+ 22
546	Lenkoran	38 46	48 52	— 20	1032·2	1029·7	+ 7·3	..	..	..	272·2	264·7	2nd	..	*273·9*	—5·5	63	— 39
547	Tehran	35 41	51 25	1220	..	..	..	275·6	279·3	30th, 31st	268·2	260·8	2nd	271·9	*271·4*	—6·9	42	+ 10
548	Meshed	36 16	59 35	946	..	..	..	?275·7	281·6	17th	262·8	256·6	7th	?269·2	..	—8·5	5	— 13
549	Seistan	31 0	61 30	?	..	..	..	283·6	289·6	30th, 31st	270·2	264·1	5th	276·9	..	..	0	..
550	Quetta	30 11	67 3	1677	836·4	..	— 0·4	284·3	290·9	17th	267·2	263·5	4th	275·8	*275·3*	—3·4	6	— 17
551	Peshawar	34 2	71 37	339	978·3	1019·7	— 2·4	293·6	296·7	13th	276·4	274·2	9th	285·0	*283·8*	+0·3	2	— 10
551*a*	Lahore	31 34	74 20	214	991·4	1017·6	— 2·1	295·9	300·1	1st	277·9	275·4	11th	286·9	*285·8*	+0·3	0	— 27
552	Simla	31 7	77 8	2205	782·9	..	+ 0·1	286·1	289·7	15th	279·5	272·4	26th	282·8	*282·3*	+2·8	4	+ 1
552*a*	Leh	34 10	77 42	3503	665·6	..	— 1·2	277·1	282·3	3rd	263·5	258·6	28th	270·3	*269·2*	+1·4	5	
559	Hankow	30 35	114 17	37·0	1021·9	1026·5	— 1·9	282·3	286·5	2nd	276·1	272·3	14th	279·2	*279·1*	+0·1	41	+ 20
560	Tientsin	39 10	117 10	5·0	1028·3	1028·9	+ 0·7	276·1	284·8	2nd	267·5	261·3	31st	271·8	*271·9*	+1·4	4	+ 1
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1024·7	— 1·2	285·1	293·6	1st	277·4	269·3	25th	281·2	280·5	+1·9	128	+ 93
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1017·1	1025·8	+ 1·2	276·9	286·1	1st	268·9	262·4	23rd	272·9	272·3	+0·2	39	+ 19
562*a*	Nagasaki	32 44	129 52	133	1005·6	1021·8	— 0·2	284·7	291·7	1st	278·3	273·7	24th	281·5	281·5	+0·7	148	+ 62
563	Kyoto	35 1	135 44	42·9	1015·9	1021·2	+ 2·1	284·5	292·8	3rd	274·7	269·2	24th	279·6	278·6	+1·3	111	+ 60
564	Tokyo	35 41	139 45	21·3	1016·0	1018·6	+ 2·2	283·3	291·5	19th	274·1	270·4	10th	278·7	278·2	0·0	99	+ 44
565	Kanayama	37 53	140 46	24·6	1015·7	1018·7	+ 2·7	280·5	290·7	3rd	270·9	265·2	10th	275·7	275·2	—0·8	59	+ 3
566	Miyako	39 38	141 59	30·4	1013·9	1017·7	+ 3·5	280·6	290·4	1st	270·7	265·7	10th	275·7	274·8	—0·4	173	+110

DECEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1014·9	— 1·5	295·9	299·1	14th	290·4	285·8	25th	293·1	*292·7*	..	136	..
605	Honolulu	21 19	157 52	11·6	1015·5	1016·8	+ 0·5	298·7	301·3	..	293·6	291·3	..	296·1	*296·0*	+0·7	221	+110
614	La Paz	24 10	110 20	12	1012·5	1013·9	..	296·8	299·8	1st	284·3	281·0	14th	290·5	..	..	0	..
615	Chihuahua	28 38	106 4	1423	860·1	1019·4	..	289·4	294·0	8th	272·9	266·2	16th	281·1	*281·4*	..	0	— 11
616	Leon	21 7	101 41	1809	821·2	1013·1	— 0·5	294·0	297·5	11th	280·3	275·8	30th	287·1	..	+0·4	0	— 39
616*a*	Monterry	25 40	100 18	528	955·8	1016·7	..	295·5	303·8	12th	282·9	274·0	28th	289·2	*288·3*	..	1	+ 62
617	Tulancingo	20 5	98 22	2180	791·7	..	..	..	293·0	..	..	275·0	..	..	284·4	—0·6	53	+ 47
618	Galveston	29 18	94 50	16·5	1016·7	1018·6	— 1·6	280·3	294·1	12th	283·3	274·1	28th	286·3	*286·6*	+0·1	105	+101
618*a*	New Orleans	29 57	90 4	16·2	..	1019·3	— 0·9	289·5	298·0	13th	281·1	274·1	28th	285·3	*285·1*	—0·3	221	
619	Merida, Yuc.	20 58	89 38	22	1013·6	1016·0	..	300·0	303·8	22nd	292·2	286·2	19th	296·1	*295·6*	..	11	..
620	Havana	23 8	82 21	24·3	..	1017·4	— 0·4	298·8	302·5	4th	293·4	287·4	18th	296·1	295·9	+0·7	73	+ 12
620*a*	Key West	24 33	81 48	6·7	1017·0	1017·6	— 1·1	297·1	301·3	7th	291·8	287·4	18th	294·4	*294·0*	—0·1	23	+ 31
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	298·1	..	..	293·2	..	..	295·7	*295·6*	+0·1	69	..
622	Watling Island	24 0	74 26	33·5	1013·5	1017·4	+ 0·1	..	301·9	13th	..	294·7	17th, 18th	..	*298·4*	..	..	..
633	Izaña	28 19	16 30	2367	768·8	..	..	282·3	289·8	27th	275·3	268·5	10th	278·8	*278·3*	..	26	— 23
634	La Laguna	28 28	W16 20	547	957·0	1021·0	+ 2·1	290·6	294·8	3rd	283·3	278·1	31st	286·9	*286·3*	+0·4	74	
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	— 23	..	..	..	293·0	296·0	5th, 6th	279·6	276·7	20th	286·3	..	..	0	..
642																		
643	Aswan	24 2	32 53	99·6	1004·8	1016·7	— 0·3	297·3	304·5	17th	283·4	279·0	29th	290·4	*289·4*	—0·3	..	+ 39
644	Tor	28 14	33 37	1·9	1016·7	1016·8	— 0·2	294·9	300·1	18th	281·0	278·0	2nd	288·0	*287·2*	—1·2	9	+ 28
647	Bushire	28 59	50 53	4·3	1020·0	1020·6	+ 0·8	290·0	293·1	21st	282·4	277·2	3rd	286·2	*285·8*	—3·4	116	— 25
648	Jask	25 44	57 47	4·0	1018·7	1019·1	+ 0·6	297·4	299·9	15th	284·9	280·7	24th	291·1	*290·7*	—3·4	1	
649	Karachi	24 53	66 57	4·0	1017·0	1017·5	— 0·9	298·3	301·7	14th	287·0	283·7	25th	292·7	*292·3*	—0·8	6	+ 3
650	Jacobabad	28 17	68 29	56·7	1011·1	1017·9	— 1·3	294·8	298·7	1st	278·6	274·9	5th	286·7	*285·9*	—2·2	0	— 4
651	Jaipur	26 56	75 52	436	967·6	1018·9	— 1·0	299·5	302·7	1st	280·7	276·6	28th	290·1	*288·9*	—0·4	0	— 15
652	Nagpur	21 8	79 5	310	981·1	1017·1	— 0·9	303·3	306·0	4th	283·8	280·7	17th	293·6	*293·2*	+0·6	0	— 7
653	Allahabad	25 25	81 51	94·1	1006·4	1017·7	— 1·0	298·5	302·4	1st	281·4	278·2	29th	289·9	*288·8*	+0·4	0	— 7
653*a*	Darjeeling	27 3	88 18	2266	776·8	..	— 1·0	283·6	287·1	1st	276·7	272·2	28th	280·2	*279·7*	+1·1	0	— 6
654	Calcutta	22 36	88 23	6·4	1014·9	1015·6	— 1·8	298·7	300·5	3rd	285·8	283·2	30th	292·2	*291·7*	+0·2	0	— 5
655	Gauhati	26 8	91 41	59·7	1009·6	1016·6	— 1·7	299·1	300·2	1st	285·9	280·5	30th	292·5	*291·9*	+2·1	0	— 18
655*m*	Cherrapunji	25 15	91 42	1314	870·7	..	— 0·2	290·4	292·8	9th	284·3	281·4	31st	287·3	*286·7*	+1·7	0	— 18
655*a*	Akyab	20 11	92 56	6·1	1012·5	1013·2	— 2·3	299·6	300·7	28th	288·1	283·4	31st	293·8	*293·1*	?—1·6	0	— 8
656	Mandalay	21 59	96 0	76·2	1006·5	1015·4	— 1·4	303·6	304·7	12th	287·7	284·5	21st	295·6	*294·9*	+0·8	0	— 5
656*a*	Tengyueh	24 59	98 35	1633	833·9	1012·7	..	290·9	293·6	13th	275·1	270·8	29th	283·0	*281·9*	..	23	+ 8
657	Phu Lien	20 48	106 38	116	1003·2	1016·9	— 3·0	295·8	302·8	5th	289·5	285·0	24th	292·6	292·0	+1·4	39	+ 17
658	Moncay	21 31	107 51	9·0	1016·4	1017·4	— 2·5	295·0	300·5	4th	287·3	280·7	14th	291·2	*291·4*	+0·9	40	+ 3
659	Hongkong	22 18	114 10	33·2	..	1017·5	— 2·2	293·4	297·7	3rd	289·3	284·7	14th	291·3	291·2	+1·2	32	
660	Amoy	24 27	118 4	ca.3	1019·8	1020·2	— 2·0	293·3	297·4	10th	288·3	284·1	sev. dates	290·8	*290·6*	+1·2	..	— 54
661	Taihoku, Formosa	25 2	121 31	9·3	1018·2	1019·3	— 1·3	296·0	304·2	4th	288·5	283·3	24th	292·3	291·5	+1·7	28	— 170
661*a*	Basco	20 28	121 59	18·7	1011·2	1013·6	— 0·6	..	..	..	294·4	291·0	23rd, 24th	..	*297·0*	+1·1	220	+ 14
662	Naha	26 13	127 41	10·5	1017·9	1019·2	— 0·7	294·8	300·0	5th	288·1	280·1	26th	291·4	291·2	+0·6	119	
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1015·6	1016·1	— 1·1	295·8	299·4	4th, 5th	290·2	284·9	27th	293·0	293·3	+0·8	75	— 55
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

DECEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	956·6	1011·9	..	301·6	305·2	1st	293·1	289·4	22nd	297·3	*296·6*	..	0	..
716	Morelia	19 42	101 7	1923	809·5	1011·8	..	291·2	294·6	11th	283·7	280·0	30th	287·4	287·2	..	7	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·5	1013·8	— 0·7	292·7	295·4	5th	277·8	271·9	29th	285·2	284·9	—0·3	31	+ 25
718	Sálina Cruz	16 12	95 12	56	1006·2	1012·8	..	301·7	304·6	7th	294·5	291·3	30th	298·1	*297·6*	..	0	..
719	San Salvador	13 42	89 13	682	935·8	1011·7	+ 0·4	304·4	306·0	22nd, 28th	288·3	284·8	18th	296·3	*294·6*	—0·7	2	— 11
720	Belize	17 29	88 12	5·2	1014·9	1015·5	— 0·3	297·5	300·2	1, 5, 6	293·4	286·9	9th	295·5	*295·1*	—1·3	187	— 6
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·1	+ 0·6	303·0	304·4	6th	293·8	292·1	21st	298·4	*297·8*	+0·1	88	+ 34
722	Port au Prince	18 34	72 22	37·4	1010·6	1014·9	+ 0·3	305·1	307·1	1st	294·0	292·0	30th	299·6	*298·8*	+1·1	1	— 40
723	Caracas	10 30	66 55	1042	899·7	1016·1	+ 1·3	297·3	300·7	31st	286·7	283·4	4th	292·0	*290·7*	—0·9	16	— 32
724	Montserrat	16 41	62 9	39·6	1010·1	1014·7	+ 0·1	301·6	304·1	17th	295·0	293·6	18th	298·3	*297·8*	..	178	..
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡994·6	‡1012·5	+ 0·4	301·5	304·1	15th	296·2	295·2	7, 12, 15	298·8	*298·2*	+0·2	103	— 82
725	Barbados	13 8	59 36	55·2	..	1013·5	+ 0·3	301·5	302·4	24th	294·9	292·8	10th	298·2	*297·4*	+0·1	30	— 77
731	São Vicente, C. Verde Is.	16 54	25 4	11	1013·4	1014·7	+ 0·1	297·6	299·8	4th	..	..	..	..	*295·5*	—0·1	9	+ 2
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1010·0	1014·6	+ 0·1	298·8	300·8	3rd	294·1	292·2	24th	296·4	*296·8*	—0·3	0	— 8
734	Bathurst	13 27	16 36	1·8	1013·5	1013·7	+ 0·9	302·4	305·8	1st	290·0	288·6	3rd, 4th	296·2	*296·2*	—0·7	0	— 2
735	M'Carthy Island	13 33	14 45	1·1	..	..	..	..	..	..	290·1	286·3	26th	..	..	..	0	— 1
736	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	305·4	309·1	11th	287·7	282·4	24th	296·5	*296·1*	—0·1	0	0
738	Kaduna Capital	10 32	7 25	637	944·3	1016·7	+ 1·5	303·3	306·3	21st	285·8	282·4	14th	294·5	*294·0*	—1·4	0	0
739	Hadeija	12 40	10 5	?	..	..	..	305·7	311·3	21st, 22nd	287·6	276·9	30th	293·8	*293·3*	—1·2	0	— 17
740	Maiduguri	11 47	13 11	361	..	..	..	304·1	309·1	23rd	285·4	281·3	29th	294·8	*294·4*	—1·4	0	0
741	El Fasher	13 32	25 18	730	..	..	..	302·9	308·6	23rd	281·6	275·1	29th	292·2	*291·3*	..	0	..
743	El Obeid	13 11	30 14	569	..	..	..	303·2	307·4	18th	282·9	278·2	28th	293·0	*292·9*	—0·5	0	0
743*a*	Khartoum	15 37	32 33	390	967·9	1012·3	— 0·3	303·0	308·0	22nd	289·6	282·0	28th	296·3	*296·6*	—0·1	0	0
744	Port Sudan	19 37	37 13	5·5	1013·6	1014·3	+ 0·1	300·2	303·0	18, 19, 25	294·0	286·9	28th	297·1	*296·8*	—0·6	6	— 11
745	Berbera, Somaliland	10 22	45 2	9·5	1014·7	1015·8	— 0·3	304·9	308·6	12th	293·0	289·7	26th	298·9	*299·5*	+1·4	1	— 1
746	Aden	12 45	45 3	28·7	1012·7	1016·0	— 0·6	299·3	302·9	1st	295·9	293·5	21st	297·6	*297·2*	—0·6	0	— 3
751	Bombay	18 54	72 49	11·3	1013·1	1014·4	— 1·0	302·7	305·2	18th	293·9	291·4	26th	298·3	*297·8*	+0·2	0	— 2
751*a*	Cochin	10 58	76 21	2·7	1012·6	1012·8	— 0·2	304·7	307·9	17th	295·2	291·0	5th	299·9	*299·5*	—0·2	4	— 41
752	Kodaikanal	..	..	..	771·6	..	— 0·3	291·3	294·3	11th	281·2	277·2	23rd	286·3	*286·3*	+0·5	15	—113
752*a*	Bangalore	12 59	77 38	2343	912·9	1015·2	— 0·4	300·7	302·4	20th	285·8	283·1	4th	293·3	*292·8*	+0·1	0	— 12
753	Madras	13 4	80 14	920	913·9	1014·5	— 0·4	302·2	303·3	30th	293·2	290·0	4th	297·7	*297·3*	0·0	0	—151
754	Vizagapatam	17 42	83 19	6·7	1014·3	1015·7	— 0·6	300·6	302·4	6th	291·8	289·9	9th	296·2	*295·8*	—0·4	0	— 22
755	Port Blair	11 40	92 40	11·6	1013·6	1014·1	— 0·7	302·2	303·7	30th	293·2	290·6	4th	297·7	*297·3*	—0·6	118	+ 7
756	Rangoon	16 46	95 48	17·7	1009·1	1011·1	— 1·8	304·2	305·6	17th	294·1	291·1	1st	299·2	*298·3*	+1·1	4	+ 41
757	Saigon	10 47	106 42	5·5	1012·5	1013·3	— 1·7	303·4	305·9	7th	295·5	293·2	15th	299·5	*299·0*	+0·8	120	— 5
757*a*	Cap St. Jacques	10 20	107 5	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	+ 58
758	Nhatrang	12 15	109 12	180	989·1	1009·9	— 0·5	..	..	..	295·3	293·4	28th	297·7	*297·3*	—0·1	880	+688
759	Bolinao	16 24	119 53	3·6	1010·8	1011·2	— 2·2	300·1	303·2	3rd	293·4	290·2	26th	299·4	*298·8*	—0·7	..	..
761	Vigan	17 34	120 23	7·1	1007·8	1008·7	— 1·1	303·7	305·7	2, 4, 17	295·1	290·5	23rd	299·4	*298·8*	—0·7	..	..
761*a*	Manila	14 35	120 59	12·2	..	1010·1	— 0·8	303·4	307·1	16th	295·1	291·1	23rd	299·3	299·2	0·0	0	— 7
762	Ormoc	11 0	124 36	14·2	1010·8	1010·8	— 0·3	303·2	305·5	10th	294·1	290·3	24th	298·7	297·5	—0·6	118	+ 41
765	Guam, Ladrone Is.	13 24	144 38	5·6	1007·5	1008·3	— 0·1	304·2	306·9	8th	294·6	290·6	25th	299·4	*298·6*	+0·1	134	— 60
		11 0	124 36	20·4	1004·4	1007·1	— 1·7	302·0	303·3	2nd, 23rd	298·1	296·2	23rd	300·1	*300·0*	+0·4	142	+ 13
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

DECEMBER—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	3·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
822	Colon	9 23	79 23	11·0	..	1010·5	— 0·2	302·9	304·1	6th	297·9	295·8	13th	300·4	*300·0*	+1·0	52	—245
822*a*	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	82	+ 18
824	Merida, Venez.	8 36	71 9	1641	‡841·2	..	..	297·1	298·5	3rd, 27th	286·9	284·5	31st	292·0	*291·2*	..	37	..
825	El Peru, Guayanavieja	7 19	61 49	220	985·2	1010·2	+ 0·4	301·1	304·7	4th	293·4	291·9	31st	297·2	*296·7*	—0·5	157	+ 51
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·0	+ 1·2	302·2	303·3	4th	297·2	295·8	18th, 25th	299·7	*299·4*	+0·2	312	+ 28
826*a*	Paramaribo	5 49	55 9	3·7	‡1012·5	‡1012·9	+ 0·8	302·2	304·4	3rd	295·7	293·5	14th	298·9	*297·9*	+0·1	144	— 78
	Cayenne	4 56	52 21	6	..	..	..	304·2	305·4	9th	294·5	293·2	sev. dates	299·4	*299·1*	—0·5	66	—206
833	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 29	13 9	68·3	1003·8	1011·6	+ 0·7	305·1	306·9	23rd	..	..	..	..	‡*300·6*	+0·1	4	— 32
835	Cape Coast	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	29	+ 1
836	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	..	..	..	..	..	..	22	+ 4
838	Lagos	6 27	E 3 24	4·6	1012·1	1012·6	+ 0·4	304·1	305·2	..	297·3	293·0	..	300·7	*300·2*	+0·2	1	— 19
838*a*	Zungeru	..	..	..	..	..	..	308·2	..	..	288·3	..	..	298·2	*297·7*	—1·0	0	— 2
839	Libreville	9 48	6 10	130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
841	Yola	9 23	9 26	35	..	..	..	306·9	310·8	22nd	..	..	..	..	‡*297·6*	—1·1	0	..
	Wau	7 42	28 3	440	..	..	..	..	..	..	..	..	..	..	..	..	0	0
843	Malakal (Kodok)	9 35	31 37	394	964·8	1009·0	— 0·7	307·9	311·1	21st	289·9	285·2	29th	298·9	*297·8*	..	0	0
843*a*	Mongalla	5 11	31 47	439	958·8	1007·6	— 0·2	308·6	313·0	sev. dates	292·8	289·0	28, 29, 31	300·7	*299·4*	+0·2	28	+ 20
844	Entebbe	0 5	32 29	1171	883·4	1009·9	— 0·1	298·2	300·6	21st	289·8	284·8	28th	294·0	*293·5*	—0·7	146	+ 17
852	Minicoy	8 17	72 49	2·1	1012·1	1012·3	— 0·3	..	..	..	..	..	..	..	..	..	33	— 58
853	Colombo Observatory	6 54	79 53	7·3	..	1010·8	+ 0·2	303·0	304·0	25th, 29th	294·7	290·3	5th	298·9	*298·5*	—0·2	112	— 20
854

DECEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	303·6	307·6	3rd	296·1	294·8	21st	299·8	*299·0*	—1·1	229	+ 24
926	Taperinha	2 30	54 20	20·0	1007·6	1009·8	— 0·4	303·1	305·2	5th	295·8	293·5	30th	299·4	*298·5*	—0·1	148	+ 34
927	Turyassu	1 43	45 26	15·1	1007·8	1009·6	— 0·7	305·6	307·5	23rd	296·3	294·1	23rd, 30th	301·0	*300·3*	+0·3	92	— 1
928	Barra do Corda	5 30	45 16	81·0	999·4	1008·7	— 0·7	..	..	..	293·9	292·6	14th, 16th	..	*298·1*	—0·9	120	+ 20
929	Quixeramobim	5 16	39 15	207	987·7	1010·9	+ 0·3	306·0	308·0	1st, 25th	298·0	296·2	31st	302·0	*301·3*	—0·3	50	+ 1
930	Fernando Noronha	3 50	W32 25	106	999·7	1011·6	— 0·1	301·8	302·4	23rd	296·9	295·1	16th	299·4	*298·8*	..	16	
939	Loanda	8 49	E 13 13	59·3	..	1012·1	+ 1·0	300·7	302·3	21st	296·7	294·2	26th	298·7	298·5	+0·6	150	+127
940	Brazzaville	4 17	15 16	320	975·0	1011·0	— 0·6	302·8	306·0	25th	295·8	293·2	16th	299·3	*298·8*	+0·6	50	— 97
943	Masaka	0 21	31 47	?1280	..	..	..	298·3	301·3	21st 22nd	289·3	286·9	28th	293·8	*292·8*	+0·2	116	+ 32
944	Nairobi	1 14	36 44	1800	..	..	..	294·7	296·9	18th, 25th	282·4	277·4	15, 17, 22	288·6	*287·9*	—1·5	188	+123
944a	Zanzibar	6 10	39 11	21·9	1010·9	1013·4	0·0	302·8	305·8	2nd	299·1	296·7	11th	300·9	*300·4*	—0·1	194	+ 56
945	Lamu	2 16	40 50	3·1	..	..	..	303·0	304·7	28th	297·4	295·2	18th	300·2	*299·7*	—0·1	80	+ 49
947	Seychelles, Port Office	4 37	55 27	4·6	1010·9	1011·5	— 0·2	301·1	302·6	..	297·7	296·6	..	299·4	*298·8*	+0·3	396	
957	Padang	0 56	100 22	6·7	..	..	..	..	..	..	..	..	..	..	..	..	237	—248
958	Batavia	6 11	106 50	8·0	1008·0	1008·9	— 0·6	303·4	305·8	17th	296·2	294·6	20th, 31st	299·8	299·2	+0·4	137	— 78
958a	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	185	—150
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	226	+ 60
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	297	— 98
962	Amboina	3 42	128 10	4·2	..	..	..	..	..	..	..	..	..	..	..	..	77	— 60
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
965	Daru	9 4	143 13	7·6	..	1008·1	— 0·8	..	..	..	..	..	..	..	..	..	580	+386
966	Port Moresby	9 29	147 9	39·0	..	1008·4	— 0·2	304·4	..	..	..	..	..	..	..	..	160	+ 53
967																		
968	Rendova	8 30	157 12	1·8	1006·6	1006·8	0·0	..	..	..	..	..	..	..	..	..	..	+ 6
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·4	1007·7	+ 0·6	304·6	306·7	20th	297·1	296·0	3rd, 21st	300·8	*300·6*	—0·2	307	— 1
970	Ocean Island	0 52 S.	169 35 E.	54·0	999·6	1005·7	— 1·2	303·9	305·8	7th	297·4	294·7	25th	300·7	*300·0*	—0·4	272 182	— 22

DECEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1009·1	+ 0·7	303·4	305·0	sev. dates	295·7	294·2	9th	299·5	299·5	+0·2	305	— 52
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	304·7	306·9	17, 19, 20	295·2	292·4	1st, 27th	299·9	*299·7*	+0·7	89	—172
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	760·3	..	— 0·2	293·3	294·9	24th	282·9	279·6	30th	288·1	*287·5*	+0·4	0	— 3
1022	Puerto de Arica	18 28	70 20	5	..	..	..	295·6	297·2	29th	289·6	289·0	sev. dates	292·6	..	—0·1	0	0
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	728·0	..	..	291·4	296·5	16th	281·3	278·0	19th	286·3	*286·2*	..	153	+ 42
1025	Corumba	18 59	57 39	116	994·7	1007·8	— 0·5	304·1	307·0	7th	294·9	290·0	15th	299·5	*298·7*	—1·2	282	+ 92
1026	Cuyaba	15 36	56 6	165	989·6	1008·1	— 0·1	304·4	307·7	3rd, 4th	295·1	292·1	14th	299·8	*299·2*	—1·1	267	+ 67
1027	Bello Horizonte	19 55	43 57	895	912·8	1011·3	— 0·5	299·3	303·2	4th	290·9	288·2	19th	295·1	*294·0*	—0·1	217	+ 40
1028	Caetite	14 3	42 37	900	914·3	1012·0	+ 0·6	301·1	305·3	5th	291·4	289·1	31st	296·2	*296·6*	+0·8	190	+ 53
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·3	1011·6	— 0·2	302·2	303·7	21st	296·4	294·6	31st	299·3	*298·9*	+0·4	61	— 48
1030	Aracaju	10 54	37 3	4·0	1012·0	1012·4	— 0·3	302·3	302·9	22nd	297·7	294·0	3rd	300·0	*300·3*	+0·7	23	— 29
1035	St. Helena	15 57	W 5 40	‡579	946·1	1012·1	+ 1·1	296·7	298·6	18, 27, 30	286·6	285·2	2nd, 6th	291·7	*291·6*	+1·9	21	..
1039	Mossamedes	15 11	E 12 10	12·5	..	..	..	298·3	300·8	2nd	292·0	289·0	20th, 22nd	295·1	*294·8*	..	2	— 90
1042	Gwelo	19 28	29 48	1417	862·3	1012·0	+ 1·6	303·0	308·6	6th	288·7	283·6	15th	295·8	..	+1·4	52	— 22
1043	Salisbury, Rhodesia	17 48	31 5	1457	854·4	1008·3	— 1·7	302·3	307·8	3rd	288·2	285·2	5th, 15th	295·3	*294·4*	+1·4	125	— 21
1044	Zomba	15 23	35 18	996	905·4	1014·2	— 0·8	300·5	304·7	20th	290·9	288·0	31st	295·7	*295·1*	—0·1	251	—180
1045	Antananarivo	18 55	47 32	1400	864·0	1014·3	+ 0·6	299·2	302·0	23rd	288·2	286·0	6th	293·7	*292·6*	—0·1	106	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	— 24
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·1	1011·6	+ 0·6	302·2	303·7	20th	297·4	295·2	11th	299·8	*299·4*	—0·2	88	— 3
1057	Christmas Island	10 25	105 43	5·5	1006·8	1007·4	— 0·1	303·6	305·2	..	296·2	294·7	..	299·9	*299·1*	—0·2	216	+ 54
1061	Kupang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	307	+102
1061a	Derby	17 18	123 40	16·2	1004·3	1006·2	— 1·3	308·2	315·9	17th	299·2	295·7	26th	303·7	..	—0·1	300	0
1062	Hall's Creek	18 13	127 46	374	965·7	1006·6	— 0·5	307·6	313·0	16th	295·6	290·8	10th	301·6	*301·0*	—2·1	80	+ 81
1063	Darwin	12 28	130 51	29·6	1002·5	1005·8	— 0·9	305·7	310·2	20th	298·4	296·2	18th	302·0	*300·8*	—0·5	343	+ 12
1064	Daly Waters	16 16	133 23	211	981·0	1004·2	— 1·6	307·9	313·6	16th	295·9	289·7	10th	301·9	*301·3*	—2·3	89	+302
1065	Mein	13 13	142 47	122	991·9	1005·5	— 0·9	304·7	309·7	2nd	296·0	293·8	30th	300·3	..	—1·2	482	— 20
1066	Georgetown, Queensland	18 22	143 32	302	974·7	1008·1	+ 0·2	307·0	311·9	17th	295·4	287·3	10th	301·2	..	—0·6	127	..
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1072	Suva, Fiji	18 8 S.	178 26 E.	17·7	1007·1	1009·1	— 0·7	302·2	305·1	17th	296·1	294·7	23rd	299·1	*298·9*	0·0	448	+140
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

*For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

DECEMBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	300·7	303·6	18th, 19th	295·6	291·9	4th, 26th	298·2	*298·0*	+0·3	176	— 2
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·5	1014·7	0·0	292·6	295·1	23rd	287·8	285·0	2nd	290·2	*289·9*	+1·2	1	+ 1
1122	Iquique	20 12	70 11	9	1012·4	1013·5	— 0·7	296·3	300·3	31st	288·7	286·6	6th	292·5	*292·4*	—0·7	0	0
1123	Catamarca	28 27	65 47	510	945·7	1001·7	— 3·6	307·3	314·3	29th	291·9	285·7	12th	299·6	298·7	—1·1	105	+ 66
1124	Salta	24 46	65 28	1178	879·3	1006·7	— 1·2	300·3	305·2	17th	288·6	284·5	19th	294·5	294·6	—0·2	142	+ 35
1125	Goya	29 9	59 15	26	1004·6	1007·6	— 1·7	304·5	309·3	29th	292·4	286·0	19th	298·5	297·8	+0·1	221	+106
1126	Asuncion	25 21	57 37	95	‡998·8	‡1009·6	— 1·6	307·2	311·5	29th	293·3	286·5	23rd	300·3	299·1	—0·4	167	+ 16
1127	Curityba	25 25	49 17	908	911·4	1011·3	— 1·9	298·6	305·3	10th	287·5	284·0	6th	293·0	*292·4*	—0·1	100	— 60
1128	Rio de Janeiro	22 54	W43 10	61·4	1005·0	1013·7	+ 0·4	300·0	306·5	12th	294·4	291·8	6th	297·2	296·9	—0·4	78	— 61
1139	Windhoek	22 35	E 17 5	1680	..	..	..	301·0	306·0	9, 10, 29	292·5	283·0	18th	296·8	*296·7*	+0·4	54	+ 4
1140																		
1141	Kimberley	28 42	24 47	1202	879·0	1006·3	— 0·9	305·7	310·2	6th	288·6	280·8	26th	297·2	297·8	+0·9	33	— 16
1142	Johannesburg	26 11	28 4	1806	822·6	1011·5	— 0·1	298·8	303·0	5th	285·3	280·2	15th	292·0	*291·6*	+0·6	85	— 53
1142a	Pretoria (Brooklyn)	25 46	28 13	1400	861·4	1010·3	+ 0·1	301·7	305·8	5th	287·2	282·5	15th	294·4	*294·0*	+0·1	127	..
1143	Bulawayo	20 9	28 35	1340	866·8	1009·4	— 0·3	301·3	307·2	9th	288·7	284·1	29th	295·0	*294·5*	—0·1	131	0
1144	Durban	29 52	31 3	15·2	1013·4	1015·2	— 0·3	299·1	302·0	22nd	291·8	287·0	26th	295·4	*295·0*	—0·8	113	— 17
1147	Lourenço Marques	25 58	32 36	59	..	1012·7	0·0	303·4	312·0	8th	293·3	288·9	28th	298·4	297·7	—0·2	31	— 77
1159	Mauritius	20 6	57 33	55·2	1007·8	1014·1	+ 0·1	302·2	305·1	29th	294·7	290·9	5th	298·5	297·9	—0·5	53	— 67
1160	Onslow	21 43	114 57	4·3	1005·2	1006·0	— 1·2	310·5	318·6	21st	295·2	291·6	26th	302·9	..	+1·2	0	— 3
1161	Peak Hill	25 38	118 47	588	941·6	1005·4	— 0·3	309·5	314·1	21st	295·4	290·8	13th	302·4	..	—0·6	3	— 12
1162	Nullagine	21 53	120 5	386	963·4	1005·1	— 0·6	311·6	316·0	23rd	295·2	289·1	9th	303·4	..	—1·2	36	+ 2
1163	Laverton	28 40	122 23	466	958·1	1009·2	— 0·3	307·7	315·8	22nd	292·5	284·7	13th	300·1	*299·9*	—0·3	4	— 14
1164	Alice Springs	23 38	133 37	587	943·3	1007·7	— 0·5	302·7	308·6	22nd, 23rd	290·8	283·6	9th	296·8	297·2	—4·1	288	+248
1164a	William Creek	28 55	136 21	76·2	1001·4	1009·9	— 0·2	305·5	315·2	23rd, 25th	291·6	284·7	10th	298·6	*298·2*	—2·0	73	+ 63
1165	Boulia	22 55	139 38	146	990·4	1006·5	+ 0·7	308·6	314·1	28th	295·1	286·1	9th	301·8	*301·8*	—2·2	29	— 9
1166	Thargomindah	27 58	143 43	123	993·6	1007·4	— 0·2	306·4	314·7	26th	294·3	286·9	10th	300·3	*299·9*	—1·7	74	+ 38
1167	Mitchell	26 32	147 52	336	971·3	1007·9	..	305·9	312·7	28th	291·2	283·0	11th	298·6	..	—0·6	36	— 28
1168	Rockhampton	23 24	150 30	11·3	1008·0	1009·2	— 1·3	306·2	311·6	16th, 17th	294·3	289·9	11th	300·2	..	+0·1	25	— 84
1169	Brisbane	27 28	153 2	41·7	1005·7	1010·3	— 1·8	303·6	309·3	17th	293·6	290·7	10th	298·6	*298·1*	+0·9	65	— 58
1170	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Norfolk Island	29 4 S.	167 59 E.	15·2	1011·7	1013·5	0·0	299·6	302·2	9th	292·9	290·2	17, 18, 23	296·2	*295·7*	+2·0	179	+ 92

DECEMBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1211	Juan Fernandez	33 37	78 50	10	1017·0	1018·2	..	292·9	297·0	25th	286·1	283·8	14th	289·5	*289·8*	—0·5	54	+ 40
1212	Punta Tumbes	36 37	73 6	91	‡1005·0	‡1015·9	— 0·1	290·6	293·8	22nd	283·7	281·5	21st	287·1	*287·1*	—0·2	11	0
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1008·8	1013·6	— 1·2	295·5	305·8	13th	286·1	283·6	8th	290·8	*290·3*	+0·1	1	— 4
1223	Santiago	33 27	70 42	520	953·2	1012·5	— 0·7	300·5	305·4	26th	284·4	281·0	3rd, 8th	292·5	*291·5*	—0·1	23	+ 18
1224	Cordoba	31 25	64 12	423	959·4	1006·8	— 2·5	304·8	312·2	..	288·2	279·1	..	296·5	296·2	+0·9	121	+ 3
1225	Bahia Blanca	38 45	62 15	25	..	1006·7	— 2·5	301·5	310·0	15th	288·2	282·0	18th, 22nd	294·9	295·1	+0·5	105	+ 57
1236	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1009·1	— 3·0	300·6	307·2	29th	288·8	280·8	22nd	294·7	294·9	+1·4	168	+ 70
1260	Montevideo (Prado)	34 52	56 12	24·9	1006·3	1009·2	— 2·8	300·9	308·3	29th	288·3	282·8	1st	294·6	294·4	+0·5	221	+135
	Porto Alegre	30 2	W51 13	23·5	1007·4	1010·1	— 1·4	302·5	309·1	2nd	290·5	283·8	14th	296·5	296·2	+0·2	110	+ 3
1239	Cape Town	33 56	E 18 29	12·2	..	1014·1	— 0·5	298·2	306·9	3rd	288·1	283·0	24th	293·1	*291·8*	+0·2	42	+ 21
1240	Danger Point	34 37	19 18	27·7	1007·5	1010·8	..	294·2	298·3	14th	287·9	283·0	25th	291·1	..	..	43	+ 21
1241	Riversdale	34 6	21 16	761	1002·8	1009·9	..	299·6	313·6	14th	286·9	282·4	26th	293·2	..	..	71	..
1242	East London	33 1	27 54	9·8	1012·4	1013·5	0·0	297·2	308·6	5th	289·2	284·7	26th, 27th	293·2	..	—0·1	111	+ 29
1259	Perth (Observatory)	31 57	115 51	60·0	1006·3	1013·5	+ 0·1	300·0	311·7	18th	289·1	282·9	12th	294·6	*294·3*	+0·1	4	— 11
1260	Katanning	33 42	117 35	310	977·7	1013·3	+ 0·2	301·2	311·1	18th	285·0	278·0	5th	293·1	..	—0·3	1	— 13
1261	Coolgardie	30 57	121 10	423	963·1	1010·0	— 1·0	306·1	313·3	19th	288·1	280·3	13th	297·1	*296·9*	—0·2	1	— 17
1262	Eucla	31 45	128 58	4·6	1010·8	1011·5	— 1·5	298·3	318·3	23rd	288·3	283·0	13th	293·3	*292·7*	—0·3	2	— 9
1263	Streaky Bay	32 48	134 13	13·1	1010·9	1012·3	— 1·4	302·4	317·5	23rd	288·1	280·8	7th	295·3	*294·5*	+1·0	11	+ 1
1264	Adelaide	34 56	138 35	42·7	1007·4	1012·3	— 0·8	301·6	316·1	24th	288·7	282·1	8th	295·2	*294·7*	+0·5	53	+ 28
1265	Melbourne	37 49	144 58	35·1	1007·2	1011·4	— 1·1	298·1	314·0	23rd	286·6	280·3	7th	292·3	*292·0*	+1·4	25	— 34
1266	Bourke	30 13	145 58	110	999·8	1012·4	— 0·1	306·6	316·9	26th	291·7	285·2	11, 12, 19	299·2	..	—2·0	34	+ 3
1267	Sydney	33 51	151 13	44·5	1004·7	1009·9	— 1·9	297·8	306·3	22nd	290·5	286·7	11th	294·2	*294·0*	0·0	402	+328
1268	Lord Howe Island	31 20	159 0	4·0	1011·4	1012·0	— 2·0	299·4	302·2	29th	292·2	287·0	19th	295·8	..	+1·2	130	+ 6
1271	Auckland	36 50	174 50	38·1	..	1013·2	..	293·3	296·1	28th	287·0	283·0	4th	290·2	..	—0·5	81	+ 9
1272	Napier	39 32 S.	176 53 E.	21·3	..	1011·3	— 0·3	297·2	306·6	26th	285·9	280·2	1st	291·6	..	+0·7	35	— 17

DECEMBER—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	104	..	1005·6	..	..	..	..	..	..	..	..	..	..	66	+ 5
1321	Isla Guafo	43 34	74 45	140	997·4	1014·3	— 1·4	285·5	288·3	2nd	281·4	279·6	31st	283·5	*283·4*	—0·9	64	+ 8
1322	Punta Galera	40 1	73 44	40	1012·2	1017·0	+ 0·6	288·0	290·4	27th	282·5	280·6	26th	285·3	*285·7*	—0·6	108	+ 30
1323	Sarmiento	45 30	69 0	274	..	1003·4	..	295·5	303·8	14th	281·9	278·0	17th	288·7	288·8	0·0	1	— 4
1324	Punta Madryn	42 49	W64 58	14	..	1005·9	..	298·5	309·5	23rd	285·6	280·9	6th	292·1	292·0	+1·0	16	+ 12
1365	Launceston	41 27	E147 10	10·1	1007·5	1008·5	— 0·5	296·8	307·7	24th	284·1	277·9	5th	290·4	*289·6*	+0·9	16	— 36
1366	Hobart	42 53	147 20	53·9	1001·8	1008·1	— 1·3	294·0	311·9	24th	284·2	277·4	8th	289·1	*288·3*	+0·3	78	+ 28
1370	Invercargill	46 25	168 21	5·5	..	..	..	290·3	297·4	25th	280·9	274·7	15th	285·6	..	—0·2	98	— 12
1371	Dunedin	45 52	170 31	91·4	..	1008·2	— 0·7	291·8	299·7	18th	282·4	277·4	27th	287·1	..	+0·6	47	— 42
1372	Christchurch	43 31	172 39	7·6	..	1008·3	— 1·1	294·1	302·2	27th	282·9	277·5	4th	288·5	..	—0·2	37	— 15
	Wellington	41 16 S.	174 46 E.	2·4	..	1011·2	— 0·3	292·0	296·7	18th	285·4	280·3	24th	288·7	..	—0·1	42	— 40
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

DECEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24 S.	75 6 W.	55	991·9	998·6	— 3·7	281·7	283·0	13th	278·3	276·5	19th	280·0	*279·8*	—0·8	303	+ 45
1422	Puerto de Punta Arenas	53 10	70 54	4	..	..	..	..	..		..	..		..	..	..	20	— 17
1423	Punta Dungeness	52 24	68 26	5	994·0	994·6	— 5·9	288·8	297·6	6th	280·8	278·2	13th	284·8	*284·7*	+1·2	21	— 6
1424	Santa Cruz	50 11	68 21	12	996·7	998·1	— 4·0	292·3	301·6	14th	281·2	277·3	2nd	286·7	286·4	+0·3	26	+ 0
1424*a*	Año Nuevo	54 39	64 8	50	986·6	992·6	— 3·5	286·0	289·2	11th	278·3	276·1	4th	282·2	281·9	+2·4	49	
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..		..	..		..	..	..	125	+ 54
1426	Cape Pembroke	51 41	57 42	21	..	995·9	— 3·9	284·5	289·1	25th	278·1	275·8	13th	281·3	281·4	+0·1	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	992·7	993·2	— 2·3	280·3	288·0	17th	273·5	270·5	12th	276·9	*276·8*	—0·4	73	— 17

DECEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	993·0	993·9	+ 0·4	273·6	277·3	16th	269·5	267·3	14th	271·5	271·5	—0·7	40	+ 17
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—DECEMBER 1920.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).		Entebbe. 844. Direction and Force (Beaufort).		Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).		Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s		9h.	17h.	7h.	21h.	9h.	9h.	8h.	21h.	9h.
1	S	9·9	..	Calm 0	Calm 0	S 2	SE 1	ESE 4	Calm 0	ENE 3	ENE 3	E 3
2	S	7·6	..	NE 1	Calm 0	S 1	S 2	SE 3	ESE 4	ENE 3	ENE 3	NE 0
3	S	5·3	..	NE 1	Calm 0	SE 1	SSE 1	ESE 3	Calm 0	E 4	E 3	Calm 3
4	S	5·5	..	E 1	Calm 0	SE 1	S 2	E —	Calm 0	NE 3	NE 3	NE 2
5	S	7·1	..	Calm 0	Calm 0	S 1	S 1	NE 3	Calm 0	NE 3	NE 3	E 2
6	S	7·1	..	E 3	E 2	S 1	SE 1	ESE 3	Calm 0	NE 2	NE 2	E 3
7	S	9·4	..	Calm 0	E 2	E 2	SSE 1	NE 2	Calm 0	NNW 2	N 2	E 2
8	S	10·1	..	Calm 0	Calm 0	SE 1	S 1	NE 3	SE 2	NNE 2	N 2	NE 0
9	S	8·6	..	Calm 0	Calm 0	E 1	SE 1	NE 3	Calm 0	N 2	N 2	Calm 2
10	S	6·4	..	Calm 0	SW 1	SE 1	E 1	SE 3	Calm 0	N 2	N 2	NE 3
11	S	11·0	..	Calm 0	Calm 0	SE 1	SSE 1	E 4	Calm 0	E 2	ENE 1	NE 2
12	S	9·4	..	Calm 0	W 1	SW 1	SSW 1	NE 4	Calm 0	E 2	E 3	E 0
13	S	8·3	..	W 1	NW 2	W 1	SE 1	NE 1	SE 2	E 2	Calm 0	Calm 2
14	S	5·8	..	Calm 0	Calm 0	E 1	W 1	SE 2	SE 2	SE 3	SE 3	NE 3
15	S	6·0	..	Calm 0	Calm 0	N 2	NW 2	NE 6	Calm 0	SE 3	NNW 2	E 3
16	S	5·4	..	N 1	Calm 0	W 1	SW 1	NE 4	Calm 0	ENE 3	ENE 3	NE 0
17	S	2·8	..	NE 1	N 1	SE 1	S 1	NE 4	ESE 2	ENE 3	ENE 4	Calm 0
18	S	3·2	..	SW 1	Calm 0	N 1	SW 2	ENE 3	SE 2	E 3	E 3	Calm 0
19	S	5·4	..	NE 1	NE 2	E 1	S 1	SE 3	ESE 2	ENE 3	NNE 2	Calm 0
20	S	4·4	..	Calm 0	SW 2	N 1	NE 1	E 3	SE 2	NNE 2	NNE 1	Calm 0
21	S	6·2	..	E 1	Calm 0	S 2	SSE 2	E 3	Calm 0	N 2	E 2	Calm 0
22	S	8·9	..	Calm 0	Calm 0	E 1	S 2	E 3	Calm 0	SE 2	E 2	Calm 0
23	S	9·0	..	NE 2	Calm 0	SE 1	SW 2	SE 2	Calm 0	E 1	E 2	Calm 3
24	S	6·1	..	SW 2	SW 1	S 1	S 1	ESE 2	Calm 0	N 1	W 3	SE 0
25	S	6·1	..	SW 1	SW 2	SW 2	S 1	E 1	NW 2	WSW 3	Calm 0	SE 2
26	S	..	..	NE 1	Calm 0	S 1	S 1	Calm 0	NW 2	WSW 4	W 3	Calm 0
27	S	7·5	..	NE 1	Calm 0	SE 1	NW 1	NE 1	NW 2	SE 2	Calm 0	Calm 1
28	S	6·2	..	E 1	Calm 0	N 1	N 2	E 2	Calm 0	NE 2	ESE 1	SE 0
29	S	5·9	..	Calm 0	Calm 0	N 2	NW 1	E 2	Calm 0	E 3	E 3	Calm 0
30	S	6·3	..	Calm 0	Calm 0	SE 2	S 1	NE 3	NW 2	ENE 3	ENE 3	Calm 1·2
31	S	5·7	..	E 2	NE 1	SW 1	S 1	NE 3	Calm 0	E 2	E 3	
Mean	..	6·9	..	0·7	0·5	1·2	1·3	2·8	0·8	2·5	2·2	
§Resultant	360° (100)	..	..	55° (11)		165° (46)		80° (79)	125° (12)	65° (60)		80° (43)
§Normal	144° (91)	7·8	‖102° (77)	24° (6)		265° (44)		70° (81)	121° (9)	‖101° (20)		99° (53)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at ?608 metres. § Direction and "Constancy." For explanation *see* introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC—DECEMBER 1920.

‡‡ *Spitsbergen.*—The ice in the fjords on the west coast formed frequently but only to break up again after it had been formed a few days.

‡‡ *Greenland Sea and Denmark Strait.*—At the beginning of the month the sea was free of ice except for a narrow strip of "Storis" lying close inshore. From the 8th to the 31st, however, there was ice everywhere except for a broad landwater and now and then openings in the offing.

‡‡ *N. Atlantic and Labrador.*—Six icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being two.

‡‡ *Davis Strait and Baffin Bay.*—The first "Storis" arrived at Cape Farewell on the 16th but disappeared on the 18th. From 27th to 31st a new mass was observed. Winter ice formed in north Greenland and around Umanak at the beginning of the month. West ice was observed off Holstenborg on the 2nd and later in Disko Bay, at Agto and the Western Islands. The ice was bad at Upernivik, but there was much open water close outside the colony.

‡‡ *Isforholdene i de arktiske Have, 1920 and 1921*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, YEAR 1920.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1920 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **YEAR—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	N. 71 23	W. 156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1006·8	1009·2	— 1·2	267·8	288·8	July 10	260·8	238·0	Jan. 20	264·3	*263·8*	—0·6	292	+ 63
139	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1006·2	1007·7	— 3·2	..	287·4	Aug. 9	264·6	238·6	Feb. 22	..	267·7	+3·4	286	— 7
140	Björnöen	74 28	19 15	40·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
141	Gjesvaer	71 6	25 22	6·5	1006·3	1007·1	— 0·9	..	295·7	July 7	274·3	256·1	Feb. 1	..	*276·7*	+1·9	1123	+482
142	Mehavn	71 1	27 47	6·4	..	..	..	..	..	..	..	252·5	Jan. 31	..	..	..	..	..
143	Vardö	70 22	31 8	10·0	1007·1	1008·3	— 0·7	..	292·4	June 24	273·7	253·2	Jan. 31	..	*275·8*	+2·1	675	+ 16
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															

Between Latitude 70° N. and 60° N. **YEAR—ZONE 2.**

203	Nome	N. 64 30	W. 165 24	6·7	..	1010·1	+ 0·4	270·9	296·3	June 25	263·1	230·9	Mar. 27, 28	267·0	*267·1*	—2·2	631	+219
204	Candle	65 55	161 57	2·4	..	..	..	..	?299·7	July 1	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1012·2	— 0·5	272·9	300·2	Aug. 1	261·9	224·1	Jan. 12	267·4	*267·7*	—0·7	275	— 35
206	Rampart	65 30	150 15	122	..	..	..	272·3	300·2	July 3	261·7	222·4	Jan. 13	267·0	..	..	239	— 14
207																		
208	Valdez	61 7	146 16	8·2	..	1010·5	+ 0·4	278·1	294·1	July 27	270·1	248·6	Jan. 31	274·1	*274·1*	—0·9	1280	— 65
209	Eagle	64 46	141 12	254	..	1011·9	— 0·3	274·8	306·9	July 10	262·8	219·7	Jan. 14, 15	268·8	..	+0·6	161	—110
210	Dawson	64 4	139 20	328	972·1	1013·6	— 0·6	273·4	306·3	July 10	261·1	223·0	Jan. 30	267·2	..	—0·6	266	— 90
211	Carcross	60 11	134 34	662	..	..	..	276·8	300·8	July 13, 31	264·3	226·9	Jan.	270·6	..	—0·8	125	—104
212	Fort Good Hope	66 25	128 53	65·2	1006·1	1014·6	..	270·9	308·0	July 11	258·8	221·3	Jan. 14, 15	264·9	..	..	300	+ 96
	Fort Simpson	61 52	121 35	129	997·4	1013·9	..	274·0	305·2	July 16	263·3	227·4	Jan. 16	268·6	..	+1·4	275	— 72
213	Hay River	60 51	115 20	161	993·3	1013·8	..	273·5	305·2	July 31	264·3	228·6	Dec. 26	268·9	..	+0·8	325	..
225																		
226	Jacobshavn	69 13	51 2	12·6	1005·9	1007·5	— 1·3	269·8	290·0	July 12	263·1	238·9	Jan. 20	266·5	*266·8*	—0·5	..	..
227	Godthaab	64 11	51 43	9·0	1001·5	1002·7	— 3·2	274·0	291·2	July 13	267·5	249·4	Jan. 17	270·7	*270·6*	—0·4	..	..
229	Ivigtut	61 12	48 10	5·0	1002·6	1003·2	— 2·3	276·2	292·4	June 14	269·8	253·2	Mar. 5	273·0	*272·7*	—0·9	761	—378
	Angmagsalik	65 37	37 33	31·7	999·5	1003·5	— 3·8	274·4	292·0	July 6	267·1	245·1	Jan. 13	270·7	*270·5*	—0·5	964	+ 58
231																		
232	Stykkisholm	65 5	22 46	11·3	1000·8	1002·2	— 4·0	279·3	292·4	Aug. 30	273·6	254·6	Feb. 15	276·5	*276·1*	+0·3	700	+ 48
233	Vestmanno	63 26	20 15	7·7	1000·3	1001·2	— 4·2	280·9	292·1	July 7	276·4	261·8	Mar. 7	278·7	*278·3*	+0·1	1573	+208
234	Grimsey	66 33	17 58	22·0	1000·7	1003·4	— 4·2	277·7	292·1	June 10	..	..	..	..	*275·3*	+0·7	..	..
235	Berufjord	64 40	14 19	18·0	1001·8	1004·0	— 2·9	279·9	293·2	July 19	273·9	260·3	Jan. 20	276·9	*276·8*	+0·7	1809	— 97
236	Thorshavn	62 3	6 45	26·3	1003·2	1006·4	— 2·1	281·9	290·6	June 16	277·2	264·0	Jan. 10	279·5	*279·6*	+0·2	1409	— 44
	Lerwick	60 9	W 1 8	18·0	1007·8	1010·0	+ 0·7	283·1	290·2	June 15, July12	278·5	267·4	Jan. 10	280·8	*281·2*	+0·7	1013	+ 49
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1006·6	1012·0	+ 0·5	283·5	299·5	July 8	278·4	266·2	Jan. 11	280·9	*280·9*	+0·8	2333	+602
239	Christiansund	63 7	7 45	?·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
240	Trondhjem	63 26	10 25	39·5	1006·3	1011·2	+ 0·6	282·9	303·0	July 10	276·1	263·3	Jan. 3	279·5	*279·3*	+1·5	593	—369
241	Bodö	67 17	14 24	22·4	1006·3	1009·0	— 0·1	..	296·8	June 21	275·6	260·0	Feb. 1	..	*278·9*	+1·8	758	—217
242	Haparanda	65 50	24 9	9·2	1010·1	1011·2	+ 0·1	279·3	300·0	June 23, 24	271·9	247·0	Jan. 22	275·6	*275·7*	+2·4	761	+293
242*a*	Helsingfors	60 10	24 57	11·7	1014·6	1016·0	+ 2·9	281·9	300·4	July 4	276·3	252·9	Jan. 23	279·1	279·1	+1·7	621	+ 10
	Kuopio	62 54	27 40	90·3	1003·0	1014·0	+ 1·3	281·1	301·9	July 4	273·8	244·1	Jan. 22	277·4	*277·8*	+2·4	583	+ 32
243																		
244	Kola	68 53	33 1	6·7	1009·4	1010·2	+ 0·3	278·3	301·2	June 24	271·0	240·4	Jan. 23	274·6	*274·8*	+2·5	522	+222
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 35	40 36	6·2	1013·0	1013·8	+ 1·9	280·0	306·4	Aug. 1	272·6	238·5	Jan. 23	276·3	*276·2*	+2·9	497	+ 70
247	Mezen	65 50	44 16	12·6	..	..	..	..	302·9	Aug. 1	..	241·4	Jan. 23, 26	..	..	..	..	..
248	Oust-Tsylma	65 25	52 14	? 70	1004·7	1013·6	+ 0·1	277·0	301·0	June 29	269·0	234·8	Dec. 20	273·0	*273·0*	+2·4	438	..
	Tcherdyn	60 24	56 31	? 177	..	..	..	..	..	..	..	..	..	..	..	..	..	..
249																		
250	Berezov	63 56	65 4	39·9	..	..	..	..	300·1	May 21	..	?227·4	Dec. 22	..	..	..	..	..
251	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Sourgout	61 15	73 24	? 40	1010·4	1015·5	+ 0·4	..	304·4	June 13	264·0	223·1	Dec. 22	..	*269·6*	0·0	403	+ 53
253																		
254	Doudinka	69 23	86 4	20	..	..	..	..	295·8	July 8	..	..	..	..	..	..	..	..
	Touroukhansk	65 47	87 57	45	..	..	..	..	?300·1	July 12	..	..	..	..	..	..	..	..
261																		
262	Viliouisk	63 45	121 35	? 120	1006·4	1022·0	..	..	306·6	July 16	260·1	221·3	Jan. 11	..	*265·4*	+1·7	215	— 11
263	Jakoutsk	62 1	129 43	108	1003·4	1017·5	0·0	..	306·2	July 15	258·6	216·2	Jan. 12	..	*264·4*	+2·3	154	— 83
	Verkhoiansk	67 33	133 23	100	..	..	..	..	307·2	June 29	..	..	..	..	..	..	..	..
271																		
272		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1007·4	+ 0·2	..	..	..	..	..	..	..	..	..	..	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1008·4	+ 0·4	279·5	294·1	June 21, July 21	274·2	260·2	Feb. 7	276·9	..	−0·4	..	..
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	277·9	296·3	June 5	268·7	241·9	Dec. 15	273·3	..	..	593	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	..	..	279·8	293·0	May 27, July 27	274·2	257·4	Jan. 26, 27	277·0	..	..	..	..
309	Sitka	57 3	135 19	27·4	..	1011·9	0·0	282·7	298·0	July 29	275·3	258·6	Jan. 22	279·0	*278·8*	−0·5	2192	+123
310	Prince Rupert	54 18	130 18	51·8	1007·7	1014·1	+ 1·1	282·6	296·3	July 7, 28	276·7	259·1	Jan. 22, 23	279·7	*279·6*	−0·8	2148	+327
311	Barkerville	53 2	121 35	1274	866·4	1014·3	− 1·6	279·1	300·8	July 16	269·2	240·8	Jan. 23	274·2	*273·9*	−0·9	1206	− 92
312	Kamloops	50 42	120 29	385	973·2	1019·5	+ 0·6	287·0	309·1	July 28, Aug. 6	275·9	250·2	Jan. 27	281·4	*281·4*	−0·2	187	..
313	Calgary	51 2	114 2	1045	892·8	1014·2	− 1·3	284·2	306·3	July 17, Aug. 7, 13	269·5	236·3	Jan. 22, 23	276·8	*276·1*	+0·6	305	−40
314	Fort Chipewyan	58 42	111 10	218	986·3	1013·6	..	276·5	302·4	July 17, 21, Aug. 6, 7	265·9	230·8	Jan. 24	271·2	*271·7*	+0·9	204	−141
315	Prince Albert	53 10	105 38	442	961·1	1015·2	+ 0·6	281·3	308·0	July 17	268·5	230·8	Jan. 23	274·9	*274·8*	+1·9	417	+ 18
316	Qu'Appelle	50 30	103 47	645	937·2	1014·9	0·0	281·5	309·7	July 18	269·4	232·4	Jan. 23	275·4	*274·9*	+1·0	500	+ 30
317	Minnedosa	50 15	99 50	515	953·0	1015·8	− 0·2	281·0	309·1	Aug. 25	268·3	231·3	Jan. 23	274·7	*274·2*	+0·5	448	+ 18
318	Port Nelson	57 4	92 36	14·9	1013·2	1015·1	+ 1·2	272·7	305·2	Aug. 7	263·2	229·1	Dec. 28	268·0	..	+2·2	491	..
318a								..	307·4	Aug. 8	..	230·2	Jan. 2	..	..	..	..	+ 71
319	Fort Hope	51 33	87 49	‡260	..	..	..	..	305·2	Aug. 26	..	228·0	Jan. 24	..	..	..	..	..
320	Moose Factory	51 14	80 30	9·1	1013·4	1014·6	− 1·3	279·3	303·0	Aug. 8, 27, 30	266·8	225·2	Jan. 24	273·0	..	+0·6	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	275·4	300·8	June 7	266·4	227·4	Jan. 23	270·9	*270·7*	..	..	+107
322	Mistassini Post	50 15	73 55	383	..	..	..	278·7	303·0	Aug. 27, 28	263·6	225·2	Jan. 25	271·1	..	+0·5	652	..
323																		−127
324	Natashquan	50 8	61 48	6·1	..	..	..	277·9	298·6	Aug. 11	268·8	240·2	Mar. 2	273·3	..	+0·1	785	..
326	Belle Isle	51 53	55 23	133	..	..	..	..	..	..	..	..	..	..	..	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1011·8	1013·5	− 0·2	285·8	293·0	May 24	281·3	270·2	Dec. 14	283·6	283·7	+0·2	1051	+208
335	Aberdeen	57 10	W 2 6	26·8	1008·4	1011·7	+ 0·2	283·9	295·8	Aug. 16	278·8	268·0	Jan. 3	281·4	281·4	+0·7	699	− 78
336	Greenwich	51 28	0 0	46·3	1010·5	1016·1	+ 1·3	288·1	303·6	May 25	279·1	264·1	Dec. 13	283·6	283·2	+0·5	546	− 50
337	Uccle	50 48	E 4 22	100	1005·1	1017·3	+ 1·6	288·0	301·8	July 12	279·0	262·1	Dec. 16	283·5	282·8	+0·9	760	−49
338	De Bilt	52 6	5 11	3·0	1016·2	1016·6	+ 1·6	286·9	300·9	July 13	278·2	261·7	Dec. 16	282·5	282·3	+0·4	640	−108
338*a*	Hamburg	53 33	9 58	26·0	1013·9	1017·2	+ 2·6	285·5	301·9	July 17	279·1	264·5	Dec. 14, 16	282·3	*282·1*	+0·5	695	− 25
339	Copenhagen	55 41	12 36	5·0	1015·9	1016·5	+ 2·8	283·8	299·0	July 4	279·4	267·7	Jan. 6	281·6	*281·6*	+0·8	566	+ 4
340	Potsdam	52 23	13 4	84·9	1007·5	1017·9	+ 2·6	286·5	305·5	July 18	278·0	262·3	Dec. 20	282·3	281·8	+0·5	578	− 95
340*a*	Uppsala	59 51	17 38	24	1011·7	1014·6	+ 2·3	283·3	301·9	July 10	275·3	256·9	Jan. 11	279·3	279·4	+1·6	445	−104
341	Warsaw	52 13	21 1	133	1003·2	1019·5	+ 3·7	285·8	306·2	July 18	277·6	255·2	Jan. 28	281·7	281·7	+1·1	458	−125
342	Dorpat (Jurjev)	58 23	26 43	74·5	1008·7	1017·9	+ 4·4	283·3	306·4	July 4	275·5	245·5	Jan. 25	279·4	279·2	+1·7	417	..
343	Petrograd	59 56	30 16	4·8	1016·3	1016·9	+ 3·5	282·3	304·7	July 5	275·6	246·4	Jan. 25	279·0	*279·0*	+2·2	397	− 92
344	Kiev	50 27	30 30	183	998·4	1020·9	+ 4·5	285·1	307·5	Aug. 5	276·6	253·3	Jan. 26	280·8	*280·3*	+0·4	456	−220
344*a*	Moscow	55 50	37 33	167	999·8	1020·5	+ 4·4	282·5	309·8	Aug. 7	272·7	241·2	Jan. 24	277·6	*277·8*	+0·9	338	..
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	−140
346	Kazan	55 47	49 8	79·9	1010·8	1020·8	+ 4·8	282·3	310·7	Aug. 1	272·4	241·9	Feb. 2	277·4	*277·1*	+0·9	264	−138
347	Orenburg	51 45	55 6	109	1007·4	1021·0	+ 2·9	281·5	311·6	Aug. 4	270·8	237·3	Nov. 30	276·2	*276·3*	0·0	242	−140
348	Perm	58 1	56 16	159	998·8	1018·7	+ 3·2	..	307·9	Aug. 2	270·4	238·4	Nov. 29	..	*274·8*	+0·6	450	− 67
349	Ekaterinburg	56 50	60 38	281	983·5	1018·4	+ 1·3	279·3	307·2	June 13, 15, Aug. 3	269·9	234·8	Jan. 28	274·6	*274·5*	+0·9	319	− 54
350	Tobolsk	58 12	68 14	? 108	1004·3	1018·0	+ 1·2	..	306·0	Aug. 3	268·3	232·3	Dec. 7	..	*272·7*	+0·1	376	..
351	Akmolinsk	51 12	71 23	? 347	..	..	..	..	..	..	..	..	..	..	..	..	..	+151
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	..	+ 42
353	Barnaoul	53 20	83 48	162	1001·1	1021·5	+ 0·3	..	305·5	June 1	268·4	225·2	Jan. 29	..	*274·1*	+0·5	501	..
354	Tomsk	56 30	84 58	122	1003·4	1018·9	− 0·1	..	305·7	July 12	267·2	227·9	Jan. 29	..	*272·0*	0·0	573	..
355	Minousinsk	53 43	91 41	249	..	..	..	..	307·0	July 21	..	..	..	..	..	..	..	..
356	Eniseisk	58 27	92 10	77·6	1008·6	1018·5	− 0·5	..	304·4	July 13	265·0	221·1	Jan. 27	..	*270·4*	−0·7	479	+55
357	Irkutsk	52 16	104 19	467	963·1	1021·0	− 0·3	..	304·2	July 18	265·7	232·4	Dec. 28	..	*271·9*	−0·2	342	− 30
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	674	..	..	..	..	306·7	July 22	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	968·7	1016·2	..	276·5	306·0	July 19	261·6	225·3	Feb. 6	269·0	*269·6*	..	613	..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	997·6	1015·4	+ 1·2	279·0	306·6	July 21	267·4	227·6	Feb. 5	273·2	*273·0*	+0·5	508	+ 1
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	..	..	..	..	..	..	249·6	Mar. 2	..	..	..	..	..	..
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	261·9	Jan. 2, Feb. 20	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	70·1	1007·8	1016·4	0·0	285·7	305·8	July 7	279·2	269·1	Jan. 22	282·5	282·0	+0·1	769	− 58
412	Portland, Oregon	45 32	122 41	46·6	1012·5	1017·9	+ 0·4	288·9	309·7	Aug. 12	280·3	268·0	Jan. 13	284·6	*284·4*	+0·1	1046	− 71
413	Macleod	49 44	113 24	953	..	..	..	284·5	308·0	Aug. 9, 15	272·8	238·0	Jan. 27	278·7	*278·8*	+0·6	381	+ 22
414	Helena	46 34	112 4	1253	873·0	1016·3	− 0·2	284·9	308·6	July 21	273·7	244·1	Mar. 6	279·3	*279·1*	−0·2	357	+ 10
414*a*	Salt Lake City	40 46	111 54	1329	867·2	1015·4	− 0·1	288·7	309·7	July 21	278·8	250·7	Jan. 11	283·7	*283·8*	−0·2	547	+134
415	Cheyenne	41 8	104 48	1856	812·1	1015·5	+ 0·6	285·4	305·8	July 22	273·4	247·4	Mar. 6	279·4	*279·5*	−0·7	405	+ 54
416	North Platte	41 8	100 45	859	917·0	1017·1	+ 1·1	289·3	310·2	July 22	275·7	245·8	Dec. 24	282·5	*282·0*	0·0	492	+ 16
416*a*	Bismarck	46 47	100 38	511	955·9	1017·4	+ 0·7	284·9	311·9	July 22	272·2	237·4	Jan. 21	278·6	*278·5*	+1·1	282	−159
417	Winnipeg	49 53	97 7	232	985·7	1014·4	− 1·8	282·0	308·1	Aug. 14	270·0	234·7	Jan. 23	276·0	*275·7*	+1·7	440	− 94
418	Duluth	46 47	92 6	345	974·3	1016·4	+ 0·2	281·3	304·1	Sept. 25	272·5	241·3	Jan. 18	276·9	*276·7*	+0·5	756	+ 59
419	Port Arthur	48 27	89 12	196	991·9	1016·1	+ 0·1	281·4	303·0	Aug. 15	271·2	240·2	Jan. 25	276·3	*276·2*	+1·4	579	− 10
420	Chicago	41 53	87 37	251	986·7	1017·1	+ 0·2	286·6	309·7	July 25	279·3	251·3	Feb. 15	282·9	*282·7*	+0·5	767	− 72
421	Toronto	43 40	79 24	116	1002·1	1016·4	0·0	285·6	306·9	June 10	275·8	245·2	Jan. 31	280·7	280·2	+0·8	759	− 91
422	New York (Central Park)	40 47	73 58	47·4	1010·8	1016·6	− 2·4	288·9	307·4	June 11	279·6	254·1	Feb. 1	284·3	283·8	−0·6	1351	+236
423	St. John, N.B.	45 17	66 4	36·2	1009·5	1014·0	− 0·6	282·1	301·3	July 9	274·0	244·1	Jan. 31	278·1	277·7	0·0	1311	+ 91
424	S.W. Point, Anticosti	49 24	63 35	9·1	1011·0	1012·1	+ 0·4	277·8	297·4	Aug. 9	272·1	243·0	Jan. 31	274·9	*275·1*	+0·2	1235	+499
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1013·8	1014·7	− 0·4	282·5	303·0	Aug. 24	278·0	253·6	Jan. 31	280·3	*280·0*	+0·1	1110	−224
425	Port aux Basques	47 35	59 10	9·1	1011·4	1012·5	− 0·3	279·6	298·6	Aug. 9	273·7	249·7	Jan. 24, Mar. 3	276·7	*276·6*	+0·2	1138	−253
426	St. John's, Newfoundland	47 34	52 42	38·1	1005·4	1010·1	− 1·4	281·7	305·2	July 15	274·0	249·1	Jan. 30, Feb. 2	277·8	*277·7*	0·0	1243	−145
435	Madrid	40 24	3 41	667	941·0	1018·1	+ 0·8	292·3	309·6	June 23	282·0	266·8	Dec. 19	287·1	*286·6*	+0·9	449	+ 23
436	Nantes	47 15	W 1 34	36·5	1013·1	1017·5	+ 0·8	288·6	302·1	July 21	280·2	267·0	Dec. 12	284·4	284·3	+0·1	649	− 81
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1012·0	1018·1	+ 1·4	288·5	303·5	July 17	279·0	263·5	Dec. 16	283·7	283·6	+0·5	547	− 15
438	Marseille	43 18	5 23	75	..	1015·9	+ 0·9	293·1	306·7	July 21	282·8	265·7	Dec. 18	287·9	*287·7*	+0·9	863	+295
438*a*	Zürich	47 23	8 33	493	960·8	1019·4	+ 1·4	287·8	305·8	July 18	278·5	262·5	Dec. 17	283·1	282·4	+0·9	737	−383
439	Rome	41 54	12 27	45·5	1010·6	1016·5	+ 1·2	294·2	308·8	July 20	284·6	272·0	Feb. 10	289·4	*289·3*	+0·9	620	−200
440	Vienna	48 15	16 22	203	994·5	1019·1	+ 2·5	286·0	302·5	July 18	279·4	264·3	Oct. 31	282·7	282·6	+0·5	793	+170
440*a*	Budapest	47 31	19 2	130	1003·1	1019·0	+ 2·4	289·1	307·9	July 19	279·8	263·5	Oct. 31	284·5	*284·0*	+1·1	648	+ 10
441	Sofia	42 42	23 20	550	954·5	1019·5	+ 3·3	288·3	307·4	Aug. 7	278·4	258·6	Feb. 5	283·4	283·0	+0·1	593	− 46
442	Bucharest	44 25	26 5	82	1009·8	1019·8	+ 3·0	288·9	309·2	July 9	278·5	259·3	Feb. 7	283·7	283·3	−0·3	510	− 73
443	Odessa (University)	46 26	30 46	42·8	1014·6	1019·9	+ 3·1	286·2	306·7	Aug. 8	278·9	256·9	Feb. 10	282·6	*282·1*	−0·7	224	−170
444	Kharkov (University)	50 0	36 14	140	1003·8	1021·0	+ 3·1	284·7	309·7	July 31	274·8	249·1	Feb. 10	279·8	*279·5*	0·0	331	−170
444*a*	Novorossiisk	44 44	37 49	37·1	1012·8	1017·3	+ 1·0	288·7	308·0	Aug. 2	280·8	253·4	Feb. 9	284·8	*284·6*	−0·9	622	− 67
445	Tiflis	41 43	44 48	404	971·2	1019·2	+ 1·3	289·2	309·9	Aug. 14	..	259·9	Dec. 23	..	*284·1*	−1·6	741	+243
446	Astrakhan	46 21	48 2	— 13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 16	— 18·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	— 17·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Aralskoe More	46 47	61 42	56	..	..	..	..	?308·1	Aug. 10	..	..	..	..	..	..	..	..
450	Tachkent	41 20	69 18	478	961·5	1017·9	+ 0·6	291·8	313·0	July 20	279·2	250·8	Dec. 18	285·5	*284·8*	−1·3	482	+124
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	299·4	Aug. 26	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	841	..	..	..	..	307·0	July 4, 20	..	..	..	..	..	..	..	..
461	Moukden	41 48	123 23	43·8	1011·7	1017·1	+ 0·5	287·9	312·3	June 30	275·0	240·3	Feb. 10	281·5	281·0	+1·2	417	−233
462	Joshin	40 40	129 11	31·9	1012·6	1016·5	+ 1·7	286·0	305·7	July 27	278·3	255·2	Jan. 15	282·1	281·9	+0·9	681	− 20
463	Yuki	42 20	130 24	65·6	1008·4	1016·5	+ 1·5	284·1	308·4	July 27	276·0	252·9	Feb. 10	280·1	279·8	+0·6	588	−132
464	Vladivostok	43 7	131 55	128	1000·8	1016·7	+ 0·9	281·2	306·5	July 27	274·2	244·1	Feb. 9	277·7	277·3	−0·4	750	+180
465	Ochiai	47 20	142 46	6·6	1013·0	1013·8	+ 1·5	280·3	305·7	July 25	270·1	238·5	Jan. 4, Feb. 20	275·2	275·5	+0·8	1085	+199
465*a*	Nemuro	43 20	145 35	26·7	1010·6	1013·9	+ 1·3	282·6	299·7	July 4	276·3	257·0	Feb. 22	279·4	279·4	+0·9	1460	+497
466	Syana	45 14	147 53	39·3	1008·7	1013·6	+ 1·5	282·0	300·6	Aug. 1	275·1	255·4	Mar. 2	278·5	278·5	+1·3	1267	+276
		N.	E.															

Between Latitude 40° N. and 30° N.

YEAR—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1011·0	1016·8	− 0·1	290·0	306·3	June 19	282·8	276·3	Jan. 14	286·4	*285·8*	+0·1	465	− 98
512	San Luis Obispo	35 18	120 39	61·3	1009·5	1017·0	+ 0·2	293·8	310·2	June 19	281·0	271·9	Jan. 17	287·4	*286·3*	−0·7	417	−136
513	San Diego	32 43	117 10	26·5	1012·3	1015·4	+ 0·3	292·2	300·8	Aug. 16	285·4	275·8	Jan. 10	288·8	*288·6*	−0·3	196	− 57
514	Modena	37 48	113 54	1670	833·0	1014·4	− 0·3	289·1	307·4	Aug. 15	273·3	250·8	Jan. 9	281·2	*280·8*	−0·7	311	+ 28
515	Santa Fé	35 41	105 57	2138	786·9	1013·5	− 0·2	288·2	302·4	July 7	275·8	256·9	Jan. 9	282·0	*281·7*	−0·6	336	− 23
516	Denver	39 45	105 0	1613	836·9	1015·4	+ 0·1	296·6	311·9	July 17	284·1	264·1	Mar. 6	290·3	*289·7*	−0·5	901	+292
517	Abilene	32 23	99 40	530	954·6	1015·5	+ 0·1	296·6	311·9	July 17	284·1	264·1	Mar. 6	290·3	*289·7*	−0·5	901	+292
518	Saint Louis	38 38	90 12	173	996·4	1017·0	− 0·2	290·9	310·2	July 23	281·8	258·0	Jan., Feb., Dec.	286·3	*286·2*	0·0	802	−153
519	Mobile	30 41	88 2	17·4	1015·6	1017·6	0·0	296·9	309·7	June 14	287·9	269·1	Mar. 1	292·4	*292·0*	+0·1	1784	+205
520	Nashville	36 10	86 47	166	998·7	1018·7	+ 0·6	292·7	306·9	June 15, July 24	282·5	260·8	Feb. 16	287·6	*287·5*	−0·7	1282	+ 84
521	Charleston	32 47	79 56	14·6	1016·2	1017·9	− 0·3	295·3	309·7	July 3	287·2	265·2	Jan. 5	291·3	*291·5*	−0·2	1189	− 58
522	Washington	38 54	77 3	34·1	1013·3	1017·4	− 0·4	290·5	308·0	June 11, July 24	280·7	260·2	Jan. 3, Feb. 1	285·6	*285·4*	−0·2	1026	− 56
523	Bermuda	32 17	64 46	46·0	1013·5	1018·9	+ 0·7	297·2	304·7	Aug. 10	291·1	283·0	Jan. 5, 6, Feb. 28, 29	294·2	*293·9*	−0·6	1335	−124
524	Santa Cruz (Flores)	39 27	31 9	28	1019·1	1022·2	+ 0·2	293·1	300·6	Aug. 2	287·5	275·6	Feb. 6	290·3	*290·4*	−0·1	1225	−387
525	Horta	38 32	28 38	65	1014·9	1022·2	+ 0·4	292·5	300·7	July 25	287·7	278·3	Feb. 6	290·1	290·1	−0·5	1271	+179
525*a*	Ponta Delgada	37 44	25 40	22	1020·3	1022·1	+ 0·7	292·1	298·9	July 13	288·1	278·8	Feb. 6	290·1	290·4	+0·1	..	..
526	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	1111	− 33
527	Madeira (Funchal)	32 37	16 54	25	‡1017·8	‡1020·8	+ 1·0	294·4	307·0	Aug. 12	289·2	283·0	Feb. 18, 25	291·8	*291·8*	+0·6	1034	+345
528	Lisbon	38 43	9 9	95	1007·4	1018·7	+ 0·8	292·9	307·6	June 23	286·2	277·1	Mar. 10	289·6	*289·3*	+0·6	539	−214
529	Gibraltar	36 6	5 21	16·2	1016·5	1018·3	+ 0·3	294·3	308·1	Aug. 6	287·2	276·0	Mar. 11	290·7	*290·6*	−0·2	691	−218
529*a*	Melilla	35 18	2 59	8	1017·5	1018·4	− 0·6	296·1	309·0	June 15, Aug. 15	287·1	276·6	Mar. 10	291·6	*293·1*	−0·8	258	−236
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulae employed see pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

YEAR—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1014·2	1016·9	+ 0·2	294·7	309·8	July 21	285·4	272·4	Feb. 10	290·0	..	—0·4	550	+72
538	Algiers (Bouzaréah)	36 48	3 2	343	977·0	1017·0	+ 0·3	293·3	315·9	Aug. 5	280·6	273·4	Mar. 10	290·0	289·6	+0·7	702	+ 5
539	Tunis	36 48	10 10	21	1015·6	1018·1	..	296·5	317·2	Aug. 6	286·3	275·8	Jan. 25	291·4	*290·9*	+0·6	423	+ 4
539*a*	Malta	35 54	14 31	56·4	..	1016·4	+ 0·3	294·6	309·2	Aug. 24	292·1	279·9	Apr. 2	293·3	292·6	+1·4	509	+ 5
540	Riposto	37 41	15 14	14·2	..	1018·5	+ 1·5	293·8	306·0	July 10	288·2	279·0	Feb. 10	291·0	*290·3*	—0·4	418	+455
541	Athens	37 58	23 43	107	1003·8	1016·6	+ 2·0	294·0	308·9	July 28	286·0	270·7	Feb. 10	290·0	289·0	—1·2	418	+ 24
542	Alexandria	31 12	29 53	32·0	1011·3	1015·0	+ 0·4	298·1	313·5	Aug. 27	..	277·4	Feb. 11, 12	..	..	..	133	— 70
543	Cairo (Helwan)	29 52	31 20	116	1000·7	1014·2	+ 0·4	300·3	315·0	Aug. 17	288·1	275·7	Feb. 11	294·2	294·0	—0·2	33	— 1
544	Nicosia (P.W.D.)	35 9	33 22	159	994·7	1013·1	+ 0·4	297·1	313·0	Aug. 16, 18	284·9	269·7	Feb. 9	291·0	..	—0·7	490	+120
544*a*	Beirut	33 54	35 28	33·7	..	1013·4	— 0·3	296·0	305·9	Aug. 18	289·9	272·0	Feb. 11	292·9	*292·8*	—0·5	810	— 9
545	Baghdad	33 21	44 28	38·1	..	1011·5	— 0·4	301·8	319·8	Aug. 18	288·8	268·9	Dec. 3	295·3	*293·4*	—0·5	185	..
546	Lenkoran	38 46	48 52	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Tehran	35 41	51 25	1220	..	..	..	293·7	312·2	July 15	282·8	260·8	Feb. 3, Dec. 2	288·2	*288·0*	—1·3	363	+128
548	Meshed	36 16	59 35	946	..	..	..	292·9	309·9	June 25	278·0	256·6	Dec. 7	285·5	..	—1·2	380	+151
549	Seistan	31 0	61 30	?	..	..	..	299·8	316·8	July 17	..	264·1	Dec. 5	..	..	..	20	..
550	Quetta	30 11	67 3	1677	832·5	..	— 0·1	296·4	312·9	July 14	279·2	261·2	Feb. 5, 6, 7	287·8	*287·6*	—0·2	129	—123
551	Peshawar	34 2	71 37	339	971·1	1010·1	— 0·8	303·4	322·8	July 5	287·7	271·9	Feb. 5	295·6	*295·0*	+0·2	251	—228
551*a*	Lahore	31 34	74 20	214	983·9	1008·5	— 0·4	304·7	317·9	July 12	290·1	274·2	Feb. 7	297·4	*296·8*	+0·1	271	+ 13
552	Simla	31 7	77 8	2205	780·7	..	+ 0·3	288·8	298·2	June 11	282·9	265·3	Feb. 7	285·9	*285·7*	—0·1	1016	— 31
552*a*	Leh	34 10	77 42	3503	665·9	..	— 0·3	284·8	299·9	July 5	271·6	253·0	Feb. 12	278·2	*277·3*	—0·6	52	..
559	Hankow	30 35	114 17	37·0	1012·2	1016·6	— 0·5	293·8	312·8	July 31	286·6	267·5	Jan. 13	290·2	*289·9*	+0·1	920	—213
560	Tientsin	39 10	117 10	5·0	1017·1	1017·7	+ 0·4	292·0	312·5	June 28	281·1	259·1	Jan. 13	286·5	*286·3*	+1·2	326	—207
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1016·1	— 0·3	293·8	309·4	Aug. 1, 4	284·7	262·8	Jan. 15	289·2	288·5	+0·4	1017	—129
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1008·7	1016·9	+ 0·6	289·0	306·5	July 23	280·7	256·1	Feb. 11	284·9	284·1	+0·4	931	— 49
562*a*	Nagasaki	32 44	129 52	133	999·2	1014·9	— 0·5	292·9	307·6	Aug. 14	285·5	268·7	Feb. 11	289·2	288·8	+0·1	1509	—304
563	Kyoto	35 1	135 44	42·9	1010·1	1015·3	+ 0·8	293·6	308·2	July14,15,19	282·7	268·1	Feb. 12	288·1	287·3	+0·7	1320	—274
564	Tokyo	35 41	139 45	21·3	1012·0	1014·6	+ 0·5	291·7	305·5	July 14	283·4	268·7	Jan. 17	287·5	287·2	+0·3	2194	+632
565	Kanayama	37 53	140 46	24·6	1011·7	1014·7	+ 0·6	289·7	307·5	July 15	280·3	263·6	Feb. 25	285·0	284·6	+0·3	2249	+862
566	Miyako	39 38	141 59	30·4	1010·5	1014·2	+ 0·7	289·0	307·3	July 15	279·2	262·0	Feb. 20	284·1	283·4	+0·4	2037	+633

YEAR—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island.	28 15	177 22	5·8	..	1017·3	— 0·4	..	..	..	291·4	281·3	Jan. 10	..	..	..	1472	..
605	Honolulu	21 19	157 52	11·6	1015·1	1016·4	— 0·3	299·9	303·6	Aug.	294·4	288·6	Jan.	297·2	*297·1*	+0·5	649	—154
614	La Paz	24 10	110 20	12	1010·5	1011·9	..	..	318·4	July 31	..	..	..	..	‡*296·4*	..	84	..
615	Chihuahua	28 38	106 4	1423	860·0	1013·8	..	296·6	307·5	July	283·1	266·2	Dec. 16	289·9	*289·6*	+0·7	487	—212
616	Leon	21 7	101 41	1809	821·2	1009·2	+ 0·1	299·0	305·2	April 23	284·5	271·9	Jan. 29	291·7	..	+0·2	434	..
616*a*	Monterry	25 40	100 18	528	954·0	1013·4	..	301·6	313·0	April 17	288·1	272·0	Nov. 16	294·9	*294·5*	..	329	—100
617	Tulancingo	20 5	98 22	2180	792·8	..	..	..	302·0	April	..	268·0	Jan.	..	287·8	—0·5	357	+ 60
618	Galveston	29 18	94 50	16·5	1015·2	1017·3	+ 0·5	296·3	306·3	Sept. 16	290·9	274·1	Dec. 28	293·6	*293·6*	—0·2	1237	+171
618*a*	New Orleans	29 57	90 4	16·2	..	1017·4	+ 0·3	297·6	308·6	June14,Sept.16	289·7	271·3	Jan. 5	293·6	*293·3*	+0·2	1652	..
619	Merida, Yuc.	20 58	89 38	22	1011·3	1013·8	..	303·5	312·2	April 16	294·4	286·2	Dec. 19	298·9	*298·3*	..	779	+140
620	Havana	23 8	82 21	24·3	..	1016·4	+ 0·6	301·1	305·2	June 25 / July 8, 11	294·8	286·2	Feb. 28	298·0	297·7	+0·2	1245	— 84
620*a*	Key West	24 33	81 48	6·7	1015·8	1016·4	— 0·1	300·4	305·8	Sept. 15	295·1	282·4	Mar. 2	297·8	*297·3*	—0·6	882	—310
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	300·6	..	..	..	..	..	298·0	*298·0*	—0·1	980	..
622	Watling Island	24 6	74 26	33·5	..	..	..	..	?304·7	May 30	..	?290·2	Mar. 1	..	..	..	..	..
633	Izaña	28 19	16 30	2367	768·9	..	..	285·3	299·6	July 12	277·9	266·6	Feb. 10, 11	281·6	*281·1*	..	764	+465
634	La Laguna	28 28	W16 20	547	953·8	1017·0	— 0·1	293·2	310·5	Aug. 11	285·2	275·6	Feb. 6	289·2	*288·6*	—0·4	1059	..
637	Insalah	27 1	E 2 21	?280	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	25 29	— 23	..	..	..	..	316·9	Aug. 27	..	..	..	..	‡*291·1*	..	18	..
642																		
643	Aswan	24 2	32 53	99·6	..	..	..	306·4	321·8	Aug. 18	291·3	276·0	Feb. 12	298·8	..	—0·7	..	..
644	Tor	28 14	33 37	1·9	1011·8	1012·0	+ 0·4	300·7	312·7	Aug. 6	289·2	274·7	Feb. 12	295·0	*294·5*	—0·2	27	..
647	Bushire	28 59	50 53	4·3	1009·6	1010·2	— 0·3	300·6	314·2	Aug. 6	293·4	277·2	Dec. 3	297·0	*296·4*	—0·1	359	+ 8
648	Jask	25 44	57 47	4·0	1009·1	1009·6	— 0·5	304·2	318·3	June 24	294·3	280·7	Dec. 24	299·2	*298·6*	—0·4	113	+ 0
649	Karachi	24 53	66 57	4·0	1009·2	1009·7	0·0	302·3	315·0	May 10	295·1	279·2	Feb. 6	298·7	*298·1*	+0·4	50	—144
650	Jacobabad	28 17	68 29	56·7	1001·9	1008·4	0·0	307·9	322·5	June 10, 27	292·0	273·3	Feb. 7	299·9	*299·3*	—0·1	57	—194
651	Jaipur	26 56	75 52	436	961·1	1010·0	+ 0·1	305·4	317·3	June 10	290·6	273·7	Feb. 7	298·0	*297·4*	—0·7	796	—204
652	Nagpur	21 8	79 5	310	975·3	1010·0	+ 0·6	306·9	317·7	May 10	293·2	280·7	Dec. 17	300·0	*299·5*	+0·1	744	—260
653	Allahabad	25 25	81 51	94·1	998·7	1009·4	+ 0·6	305·9	319·4	June 10	292·4	276·6	Feb. 8	299·2	*298·5*	+0·4	875	—264
653*a*	Darjeeling	27 3	88 18	2266	775·2	..	— 0·2	289·0	298·2	May 31	282·0	270·4	Feb. 13	285·5	*285·3*	+0·8	2720	+ 56
654	Calcutta	22 36	88 23	6·4	1007·8	1008·4	— 0·6	303·9	313·8	June 2	295·0	283·2	Dec. 30	299·5	*299·2*	+0·7	1621	..
655	Gauhati	26 8	91 41	59·7	1003·6	1010·4	— 0·2	302·2	309·3	June 2	292·3	278·3	Feb. 13	297·3	*296·5*	+0·3	1513	—165
655*m*	Cherrapunji	25 15	91 42	1314	867·8	..	0·0	293·6	300·7	July 24	287·3	275·4	Feb. 13	290·4	*289·8*	+0·3	9391	+1732
655*a*	Akyab	20 11	92 56	6·1	1008·4	1009·1	— 1·0	302·6	308·2	May 3	294·3	283·4	Dec. 31	298·4	*298·2*	—0·7	5700	—117
656	Mandalay	21 59	96 0	76·2	1001·4	1010·0	— 0·2	307·7	315·8	April 30	295·1	282·4	Feb. 14	301·4	*300·8*	+0·6	732	..
656*a*	Tengyueh	24 59	98 35	1633	..	..	..	294·1	301·9	July 22	282·7	270·2	Feb. 1	288·4	*287·6*	..	1323	—267
657	Phu-Lien	20 48	106 38	116	997·1	1010·5	— 0·8	300·1	311·3	July 18	293·5	281·7	Jan. 6	296·8	296·1	+0·1	1929	+344
658	Moncay	21 31	107 51	9·0	1009·9	1011·0	— 0·5	299·4	309·6	July 18	292·0	275·6	Jan. 6	295·7	*296·1*	—0·4	3039	+632
659	Hongkong	22 18	114 10	33·2	..	1011·6	— 1·0	297·6	306·9	July 25	293·3	280·3	Jan. 5	295·5	295·2	+0·1	2740	+862
660	Amoy	24 27	118 4	ca.3	1013·0	1013·3	— 1·1	297·0	308·6	Sept. 2	292·1	278·0	Jan. 5	294·5	*294·3*	—0·3	1299	+633
661	Taihoku, Formosa	25 2	121 31	9·3	1011·9	1013·0	— 0·8	299·2	308·5	Aug. 12	291·3	275·8	Jan. 22	295·3	294·7	+0·1	2200	+340
661*a*	Basco	20 28	121 59	18·7	1007·0	1009·4	— 0·8	..	307·0	June 19, 20	295·8	288·8	Jan. 15	..	*298·8*	+0·1	2755	+317
662	Naha	26 13	127 41	10·5	1011·7	1013·0	— 0·7	298·9	306·7	July 7	292·2	280·1	Dec. 26	295·6	295·2	+0·1	2511	— 56
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1013·1	1013·6	— 0·7	298·5	305·6	July 18, Aug. 6	292·9	281·8	Jan. 28	295·7	295·5	—0·1	1529	— 58
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulae employed see pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. **YEAR—ZONE 7.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	955·9	1011·1	..	302·3	306·3	Oct. 11	294·9	285·8	Mar. 8	298·6	*298·0*	..	636	..
716	Morelia	19 42	101 7	1923	809·3	1008·2	..	294·6	299·8	April 17	..	..	..	..	*294·0*	..	732	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·1	1012·8	0·0	296·3	303·6	Mar. 25	281·1	271·0	Jan. 29	288·7	288·0	+0·1	725	+ 96
718	Salina Cruz	16 12	95 12	56	..	..	..	..	..	..	..	..	Jan. 27	..	..	..	..	..
719	San Salvador	13 42	89 13	682	936·3	1011·8	+ 0·9	306·4	312·8	Mar. 12	290·1	283·4	Feb. 9	298·2	*296·1*	—0·1	1481	—301
720	Belize	17 29	88 12	5·2	1013·5	1014·3	+ 1·4	301·6	306·3	April 14	295·6	285·5	Feb. 7	298·6	*298·2*	—0·8	1883	—468
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·6	+ 0·5	303·3	307·2	Nov. 10	294·6	290·2	Jan. 13	298·9	*298·4*	+0·1	1279	—100
722	Port au Prince	18 34	72 22	37·4	1010·3	1014·6	+ 0·3	305·9	310·3	July 21	295·1	291·2	Jan. 12	300·5	*299·8*	+0·5	1093	—286
723	Caracas	10 30	66 55	1042	899·9	1015·9	+ 1·1	298·9	304·7	May 5	287·7	281·8	Jan. 13	293·3	*292·0*	—0·8	770	— 43
724	Montserrat	16 41	62 9	39·6	1010·3	1014·9	— 0·1	303·5	307·4	June 11	295·6	?289·7	Jan. 6	299·6	*299·1*	..	1385	..
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	..	..	..	..	?305·2	Nov. 27	..	293·6	Jan., Mar., Aug.	..	..	..	..	..
725	Barbados	13 8	59 36	55·2	..	1014·1	+ 0·3	302·4	304·8	Oct. 12, 31	295·5	291·6	Feb. 12	298·9	*298·5*	+0·2	687	—706
731	São Vicente, C. Verde Is.	16 54	25 4	11	1013·9	1015·2	+ 1·0	298·4	304·0	Aug. 2	..	..	..	..	*296·5*	0·0	62	— 93
732	San Tiago, C. Verde Is.	14 54	23 31	?40	..	..	..	300·4	305·4	June 25	294·9	286·3	Feb. 3	297·6	*297·7*	+0·1	37	—251
733	Bathurst	13 27	16 36	1·8	1013·3	1013·5	+ 0·8	303·9	311·3	Mar., Apr., May	..	..	..	..	..	..	871	—338
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	..	..	..	..	..	..	..	..	..	1019	+209
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	307·5	315·8	April 8	292·5	282·4	Dec. 24	300·0	*299·5*	—0·9	754	+109
738	Kaduna Capital	10 32	7 25	637	944·4	1016·0	+ 1·4	303·4	310·8	Mar. 19, 20	291·0	282·4	Dec. 14	297·2	*296·7*	—0·5	1392	+142
739	Hadeija	12 40	10 5	?	..	..	..	308·8	319·1	April 25	290·6	276·9	Dec. 30	299·7	*299·2*	—0·7	613	..
740	Maiduguri	11 47	13 11	361	..	..	..	308·5	319·1	April 25, 26	292·4	281·3	Dec. 29	300·5	*300·0*	—0·7	770	+180
741	El Fasher	13 32	25 18	730	..	..	..	307·0	318·0	April 28	288·3	275·1	Dec. 29	297·6	*296·7*	..	407	..
743	El Obeid	..	..	..	..	..	..	307·0	315·5	April 29	..	278·2	Dec. 28	..	‡*297·3*	..	452	+ 96
743*a*	Khartoum	15 37	32 33	390	965·8	1009·2	+ 0·1	308·4	317·5	June 11	294·3	281·0	Jan. 21	301·3	*301·4*	—0·8	341	+106
744	Port Sudan	19 37	37 13	5·5	1009·6	1010·3	+ 0·3	305·6	318·0	Aug. 17	296·9	286·8	Jan. 20	301·2	*301·0*	+0·2	37	— 62
745	Berbera, Somaliland	10 22	45 2	9·5	1009·6	1010·6	— 0·4	308·2	318·6	June 24	298·2	289·7	Jan. 7, 12 / Dec. 26	303·2	*303·3*	+0·8	58	— 7
746	Aden	12 45	45 3	28·7	1007·4	1010·6	— 0·4	303·7	309·5	June 28	298·7	292·9	Jan. 12, 13 / Mar. 2, 5	301·2	*300·7*	—0·1	4	— 50
751	Bombay	18 54	72 49	11·3	1009·3	1010·5	— 0·3	303·7	307·7	June 8	297·4	289·8	Feb. 7	300·6	*300·0*	+0·7	1043	—766
751*a*	Cochin	10 58	76 21	2·7	1011·2	1011·5	0·0	303·8	310·1	Feb. 27	297·0	291·0	Dec. 5	300·4	*299·8*	—0·1	3310	+398
752	Kodaikanal	10 14	77 28	2343	770·9	..	— 0·1	291·7	297·2	May 9	283·3	277·2	Dec. 23	287·5	*287·5*	—0·2	1664	+ 82
752*a*	Bangalore	12 59	77 38	920	910·5	1010·9	+ 0·1	302·8	310·1	May 10	291·1	283·1	Dec. 4	296·9	*296·2*	+0·5	661	—230
753	Madras	13 4	80 14	6·7	1009·5	1010·1	— 0·2	306·3	315·6	May 7	297·4	290·0	Dec. 4	301·9	*301·3*	+0·6	1660	+393
754	Vizagapatam	17 42	83 19	11·6	1008·0	1009·3	— 0·1	304·2	311·9	June 10	298·1	289·9	Dec. 9	301·1	*300·5*	+0·7	796	—149
755	Port Blair	11 40	92 40	17·7	1007·7	1009·7	— 0·9	303·1	307·8	April 27	297·8	294·2	Feb. 18	300·4	*299·8*	—0·4	2941	— 32
756	Rangoon	16 46	95 48	5·5	1009·8	1010·6	— 0·2	304·8	310·4	Mar. 22	295·9	289·1	Jan. 31, Feb. 2	300·4	*299·3*	+0·1	2386	—132
757	Saigon	10 47	106 42	11·2	..	..	..	304·9	309·6	Mar. 20, 27 / April 21	296·5	290·2	Jan. 15	300·7	*300·2*	+0·1	1800	—129
757*a*	Cap St. Jacques	10 20	107 5	180	988·4	1009·0	0·0	..	..	..	..	..	..	..	..	..	..	..
758	Nhatrang	12 15	109 12	3·6	1008·7	1009·1	— 0·6	303·5	311·0	July 19	295·9	289·1	Jan. 26	299·7	*299·2*	—0·3	2145	+750
759	Bolinao	16 24	119 53	7·1	1006·1	1007·0	— 1·4	305·0	310·7	May 4	296·8	290·5	Dec. 26	300·9	*299·9*	—0·2	..	..
761	Vigan	17 34	120 23	12·2	..	1008·5	— 0·7	304·5	309·4	Mar. 26	296·4	291·1	Dec. 23	300·4	300·2	+0·2	3080	+508
761*a*	Manila	14 35	120 59	14·2	..	1009·2	— 0·2	304·8	309·0	April 23	295·6	288·6	Feb. 8	300·2	299·4	—0·2	2201	+179
762	Ormoc	11 0	124 36	5·6	1007·5	1008·2	— 0·2	305·3	308·2	May 30	295·7	290·6	Dec. 25	300·5	*298·7*	—0·4	2106	—118
765	Guam, Ladrone Is.	13 24	144 38	20·4	1005·4	1007·6	— 1·1	303·0	306·7	June 17	297·5	294·0	Jan. 25	300·3	*300·1*	+0·1	2852	+512
		N.	E.															

Between Latitude 10° N. and 0°. **YEAR—ZONE 8.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
805	Fanning Island	3 55	159 23	3·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
821	Colon	9 23	79 23	11·0	..	1010·9	0·0	303·4	306·9	April 12	297·5	295·2	Feb. 25	300·4	*300·0*	+0·9	2808	—470
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	1014	— 26
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·8	..	..	297·1	301·5	Oct. 17	288·0	284·5	Jan., Mar., Dec.	292·6	*291·5*	..	1283	..
824	El Peru, Guayanavieja	7 19	61 49	220	985·9	1010·8	+ 0·1	..	..	.. / Oct. 22	..	..	..	..	‡*296·1*	+0·1	1367	— 49
825	Georgetown, Brit. Guiana.	6 50	58 12	1·8	..	1014·2	+ 1·5	302·6	304·9	Nov. 11, 13	297·1	294·1	Feb. 14	299·8	*299·5*	+0·1	1896	—338
826	Paramaribo	5 49	55 9	3·7	‡1013·7	‡1014·1	+ 1·2	303·0	306·7	Sept. 25	295·6	292·1	Mar. 27	299·3	*298·4*	—0·2	2033	—305
826*a*	Cayenne	4 56	52 21	6	..	..	..	..	308·6	Oct. 19	..	..	..	..	..	..	..	..
833	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 29	13 9	68·3	1004·7	1012·6	+ 1·2	303·6	310·2	Feb. 24, Mar. 7	..	291·3	May 22	..	‡*299·7*	—0·7	2714	—1279
835	Cape Coast	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	791	— 48
836	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	..	..	..	..	..	..	404	—288
837	Lagos	6 27	E 3 24	4·6	1011·9	1012·4	— 0·5	302·9	310·5	Mar.	296·9	293·0	Dec.	299·9	*299·5*	—0·1	1349	—471
838	Zungeru	9 48	6 10	130	..	..	..	306·5	314·1	Mar. 19	293·8	..	..	300·2	*299·7*	—0·2	1243	+110
838*a*	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
839	Yola	9 12	12 30	259	..	..	..	306·9	315·8	April 6	..	..	..	..	‡*299·6*	—0·6	879	— 70
841	Wau	7 42	28 3	440	..	..	..	..	314·5	Feb. 25, Apr. 3	..	..	..	..	..	..	1398	+310
843	Malakal (Kodok)	9 35	31 37	394	965·3	1009·3	+ 0·3	307·3	314·5	Mar. 18, Apr. 5	..	..	..	..	‡*298·4*	..	919	+156
843*a*	Mongalla	5 11	31 47	439	959·6	1008·3	+ 0·2	..	?315·0	Feb. 23	..	..	..	..	‡*298·5*	..	1158	+171
844	Entebbe	0 5	32 29	1171